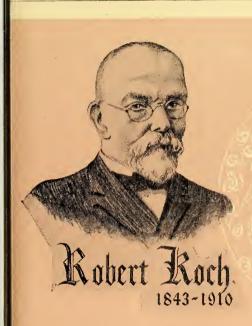


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CHEMIST AND DRUGGIST RETAILER - WHOLESALER - MANUFACTURER

FEBRUARY 21, 1948



SCIENCE AND PHARMACY SERIES No. 51 Koch's reputation is based, paradoxically, on the mistaken claim to have found a cure for tuberculosis. His life work as a bacteriologist does however entitle him to be regarded as one of Germany's genuine men of science. The Nobel prize, awarded to Koch in 1905, was well deserved.

BURGOYNE BURBIDGES

Established 1741. & COMPANY, LIMITED, LONDON. E. 6



Index to Advertisers pp. 5 & 6

GLUCO-FEDRIN

Gluco-Fedrin is remarkably active in relieving nasal congestion. Its aqueous, non-irritating base offers distinct advantages over the usual oily one. For example:—

- 1. Action is more prompt, since the base mixes with nasal fluids.
- 2. Greater shrinking effect, as a greater area is covered by a watery solution than by droplets of oil.
- 3. Prolonged effect, as it remains in contact with affected areas for longer periods.

The addition of "Phemeride" increases the antiseptic properties of the solution.

Formula

Ephedrine (as lactate) 1 per cent
Chloretone ... 0.5 per cent
Menthol ... 0.05 per cent
'Phemeride' ... 1 in 5,000
in an aqueous, dextrose base

PACKAGES

Vials of 10 c.c. with dropper 2/2d. Vials of 1 fl. oz. with dropper 3/8d.



PARKE, DAVIS & COMPANY

50 Beak Street, London, W.1

Laboratories: Hounslow, Middlesex

Inc. U.S.A., Liability Lt

CLAXC

ACCENT on C this winter

Even in health, to-day's diet provides barely sufficient vitamin C. But when illness comes, the body's requirement of the vitamin always rises sharply, emphasising the value of 'Celin' Tablets as a potent source of extra supplies. Medical men—and many members of the enlightened public—will be paying particular attention to vitamin C this winter. In 'Celin' Tablets, you have a dependable and economical preparation to meet their needs. For babies, of course, there are *Infant* 'Celin' Tablets, now frequently prescribed as a routine measure from the second month of life.





Purchase Tax

Public Health is, in the opinion of many, not a fit subject for taxation.

Luxury items and even cosmetics may be fair game for the Chancellor but it wou'd be as logical to tax a doctor's bill for attendance as to tax the medicine he prescribed or the humble proprietary which a sufferer needs to cure some minor ill.

It is true that in November, the Chancellor of the Exchequer promised that the tax on "Drugs" wou'd be reviewed before the next Budget.

What can one reasonably read into this promise?

Most well-informed peop!e take the view that the utmost one can hope for is an easement of the tax on basic commodities such as Quinine.

To imagine that the Chancellor will cancel the tax altogether, or even reduce it, on proprietary medicinal preparations, seems to be just plain "wishful thinking." Rescinding restrictions or taxes, once they have been accepted, does not characterise Governmental administration.

What then is the pharmacist to do?

He cannot refrain from buying at all until the April Budget is announced. If he cuts down his orders too much, he will lose business through running out of stock and in addition, lose the benefit of the discounts on quantity buyin which have made such a difference the "net" on his balance sheet.

The wise course to follow between now and next Budget Day would seem be:

- (a) To cut down orders for lin which are not seasonal or f which the quantity discount insignificant.
- (b) To maintain or even to increa the size of orders for season lines which do offer substanti quantity or display discounts as a reasonably quick sale.

Such a course reduces any risk (however small that risk may be) to a min mum because with only a few lines with fairly heavy stock, the pharmacist of the always shift them quickly by conce trating display upon them.

mount

MRCEL

x 15 c

ARCEL

In our own case, we should advipharmacists to keep orders for Simpsor winter lines to the absolute minimum b to order Simpson's Foot Ointment heavily as they feel justified. Past e perience proves that display in April at May can shift this stock very quickl Secondly, Simpson's policy, as always, to stand behind the pharmacist in that he over-orders, they relieve him, witho question, of any end-of-season surply And quantity discounts are generous—he buys on best terms he nets just 6 40%.

Announcement by:-

J. W. SIMPSON (CHEMIST), LTD., IODINE HOUSE, MUSEUM STREET, W.C



Standard Bonus Parcels

			*	
ARCEL E	£	s.	d.	
x 25 Capsules				BONUS
@ 2/6 Retail	4	10	0	3 x 25
Less 25%	ı	2	6	Capsules
	3	7	6	RETAIL
Amount " 10%		6	9	VALUE 7/6
of cash with order	*3	0	9	7/0
ARCEL G				
2 x 15 c.c. Drops				BONUS
@ 5/- Retail	3	0	0	I x 15 c.c.
Less 25%		15	0	Drops
,,,	2	5	0	RETAIL
Amount ,, 10%	_	4	6	VALUE
Amount "10% of cash with order	*2	0.	6	5/-
ARCEL H				BONUS
x 5 c.c. Drops	,	12	^	3 x 5 c.c.
@ 2/- Retail	3	12	0	Drops
Less 25%				RETAIL
100/	2	14	0	VALUE
Amount ", 10%		5	5	6/-
of cash with order	*2	8	7	

PARCEL J	£	s.	d.	
12 x 30 c.c. Drops @ 9/- Retail Less 25%	5 	8	0	BONUS I x 30 c.c. Drops
*Amount ,, 10% of cash with order	*3	1 8	0	RETAIL VALUE 9/-
PARCEL L		12	<u>''</u> -	BONUS
2 x 100 Capsules 8/6 Retail Less 25%	5 I	2 5	0	l x 100 Capsules
*Amount ,, 10%	3	16 7	6 8	RETAIL VALUE 8/6
of cash with order	*3	8	10	
PARCEL M 36 x 100 Capsules @ 8/6 Retail	15	6	0	BONUS 3 × 100
Less 25%	3			Capsules RETAIL
*Amount ,, 10%	11	9	6 0	VALUE £I 5 6
of cash with order	*10	6	6	

part from bonus parcels, Crookes Halibut Oil nd Capsules can always be supplied at normal marking such orders "For monthly account."

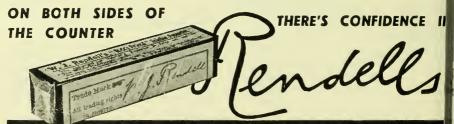
discount on monthly account. Please help us by

E. C.

It's a tradition with us



"Yes, Mrs. Dale, we have been established a very long time and ever since can remember from my apprenticeship days here, we have alway recommended Rendells. No, the transparent wrapping is not new. It wa always a feature of Rendells packing before the war, and is just anothe indication the product is back to normal."



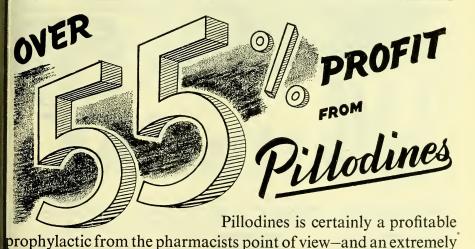
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efficacious cold preventive from the publics point of view.

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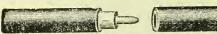


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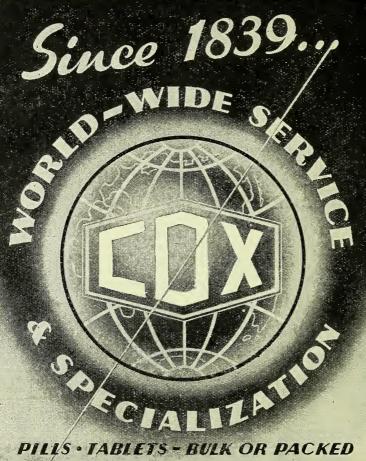
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STANDARD OR SPECIAL FORMULÆ
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Now making Alocol available in 3 convenient forms

A LOCOL, the well-known brand of Colloidal Aluminium Hydroxide, is now obtainable as a stable and palatable cream, thus presenting, with Alocol Powder and Alocol Tablets, three convenient ways of administering Alocol to meet every condition and preference.

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- Owing to its high reactivity it quickly neutralises excess acidity.
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- It does not produce alkalisation nor a condition of alkalosis.

ALOCOL CREAM is supplied in bottles of 9 fl. oz.

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Retail Price: 4/8½ including Purchase Tax Trade Price: 33/9 plus Purchase Tax

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Mother's got an assistant

MOTHER'S COOKING MAY TASTE GOOD but there is plenty of evidence to indicate that frequently it lacks many of the accessory food factors necessary to proper development and the maintenance of health.

Of these food factors, the most important are those of the vitamin B-complex. That's where Mother's assistant the Nutritional Research Worker comes in. By means of accurately measured vitamin supplements, diets can be made adequate with respect to those factors which are essential for perfect health.

Elixir 'Virvina' provides adequate amounts of important factors of the vitamin B-complex with the glycerophosphates of essential minerals in an extremely palatable elixir, administration of which may be continued over long periods of time.

Elixir 'Virvina' is supplied in bottles of 4 oz., 16 oz., and 80 oz., retailing at 5/3, 16/6 and 73/4 respectively including Purchase Tax.

Generous Bonus Terms available.

Details forwarded on request.

elixir







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THE LONDON EXHIBITION CENTRE (STAGG & RUSSELL BUILDING) SYDNEY PLACE, LEICESTER SQ., W.C.2 STONE'S THROW 'EMPIRE'

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MARCH 2 — 12 TUESDAY — FRIDAY INCLUSIVE

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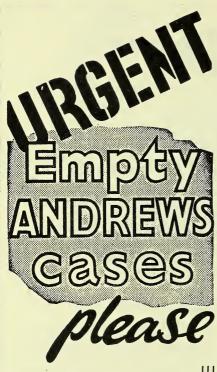
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For some time past we have experienced considerable difficulty in despatching supplies of Andrews because of the acute shortage of cases.

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Fold cases flat, flaps inside, tie up. Ready addressed gummed labels obtainable from our travellers, or direct from us. Up to 15 lbs., by post (state cost on label). Over 15 lbs., by rail, c/fwd (or state cost on label).

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A NAME and a

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"SURE SHIELD"

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'SURE SHIELD'
IODISED THROAT
TABLETS

'SURE SHIELD'
FRUIT LAXATIVES

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GLYCERINE of THYMOL
PASTILLES

LOZENGES. PASTILLES. TABLETS.

IN BULK and ATTRACTIVE PACKS

DELIVERIES. The position is now much improved. Although we are producing to our full capacity we still have to take orders in rotation and are making every effort to maintain an equitable distribution of our PRODUCTS.

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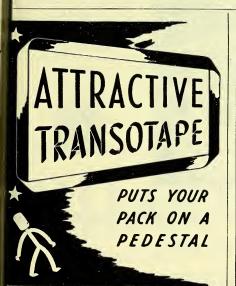


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PW 47/14



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MENTHOL & WINTERGREEN CREAM

for rapid relief from RHEUMATIC and other MUSCULAR PAIN, and the irritation of UNBROKEN CHILBLAINS



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2-oz. Jar 18/- per doz. plus 6/- tax.

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VITAMIN ELIXIR

A pleasant and palatable tonic readily taken by children and patients of all ages and especially valuable during convalescence

Made by a modern homogenising process, HEWLIX contains Vitamins A and D, Glycerophosphates, Organic Iron and Calcium, together with traces of Copper and Manganese.

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331% Discount to Pharmacists.

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Clients' own material operated if desired. Reasonable estimates.

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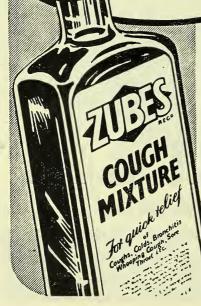
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Follow this tried and tested formula for quick profits



A Household Name—a quick, pleasant, effective throat and chest easer—at a price within everybody's reach—sales supported by powerful advertising throughout the autumn and winter; that's the "formula" that makes Zubes Cough Mixture such a big profit-winner for the chemist, especially in the winter months. Why not make sure that your stocks of Zubes Cough Mixture will meet the increased winter demand?

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'TRILENE' IN OBSTETRIC ANALGESIA

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Ph.216



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Wherever primary anaemias occur, a revolutionary form of treatment can now be adopted. Elaborate clinical tests have established the value of 'FOLVITE' (Folic Acid, Lederle*), in small oral doses, in pernicious anaemia, sprue, nutritional and gestational macrocytic anaemias. Doctors are now prescribing 'FOLVITE,' and pharmacists are invited to order supplies for stock from their usual wholesalers.



Tubes of 25 Bottles of 100 5 mg. tablets. BRAND OF

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Boxes of 12 1 cc ampoules of 15 mg./cc.

For the control of macrocytic anaemias

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CHYMOL

(KI-MOL)

A concentrated and extremely palatable food for infants, children and invalids.

CHYMOL is a combination of Malt, Edible Oil, Glycerine, Red Marrow, Salt and Colouring.

> PACKED IN 16-oz. JARS RETAIL 4/9 PER JAR

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Mothers need BOTH to keep their babic happy and protected!

You know all about BABY POWDER: here ar some facts about BABY LOTION :-

what BABY LOTION is

An emulsion of specially compounded minera oil, lanolin and water which agrees perfectly with a baby's skin.

what BABY LOTION advantages

A gentle but effective antiseptic gives protection against surface bacteria. Thoroughly homogenized to allow the skin to "breathe".

Not sticky or messy; will not spoil baby's clothes.

what BABY LOTION does

Gives waterproof protection against urine and prevents nappie irritation. Soothes chapped, chafed areas and relieves soreness.

when BABY LOTION should be used

After every nappie change and for "tubless"

Can also be used whenever there's a suspicion of soreness.



Mothers won't be able to resist the appeal of these mother-come-hither display pieces. Show them prominently to make Baby Lotion the best-seller that Baby Powder already is.

IOHNSON & JOHNSON (GT. BRITAIN) LTD., SLOUGH & GARGRAVE



Remarkable paternal resemblance, Ma'am'

MR. COLLINS was in a very high class way of business—he had bill-heads to prove it. And madam was a very modern young woman in spite of the fact that she wore 400 coupons worth of clothes at a time. She was feeding young Percival on M.O.F., the latest idea in infant nutrition. Mr. Collins supplied it.

M.O.F. made its first appearance in Scotland in 1887; George Bernard Shaw was a promising young man of 31 and Wilbur Wright had not yet bothered to invent

the aeroplane.

In 1941 M.O.F., now modernised in line with the latest ideas on infant nutrition, came to England. This fortified infant cereal found an immediate welcome. Soon pediatricians, Infant Welfare Clinics and Health Visitors were recommending it. Mothers found it economical and easy to prepare. Infants liked it.

And little Percival? He grew up to be a very dutiful son and married a girl from

Fulham.

SCOTT'S OF



. & R. SCOTT LIMITED, WEST MILLS, COLINTON, EDINBURGH

February 2

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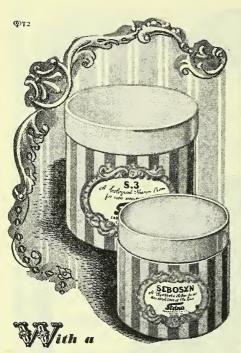
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FEBRUARY 21, 1948

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NEWS OF THE WEEK

Proposed Chemotherapeutics Group. meeting to discuss the formation of a emotherapeutics group of the Society of nemical Industry is to be held in the oms of the Chemical Society, Burlington buse, Piccadilly, London, W.I, on March at 2.30 p.m.

Employees' Protest.—At a meeting of a Association of Pharmaceutical Employees (a section of the Union of Shop, istributive and Allied Workers) held in ondon on February 8, a resolution was ssed protesting at the alleged continued clusion of the Union from membering of the Pharmaceutical Functional Whitley] Council now being set up under a National Health Service.

Meeting of Statutory Committee.—The atutory Committee of the Pharmaceutical ociety of Great Britain is meeting in Lonon on February 26 at 11.30 a.m. (1) to mounce the decision of the Committee Illowing the inquiry held on October 6 d 7, 1947, into a complaint concerning the advertising of dispensing services; and to consider information and evidence

from which it appears (a) that a member of the Society whilst acting as locum tenens was under the influence of alcoholic drink or drugs to such an extent as to be unfit to be in control of the business; and (b) that a member of the Society was convicted of stealing. The inquiries will be opened in public and, unless the Committee otherwise directs, the hearings will also be in public.

B.M.A. Plebiscite.—Voting figures in the plebiscite of its members carried out by the British Med cal Association to test the attitude of the profession towards entry into the National Health Service were:—For the Act in its present form, 4,735; against, 40,814. Not one of fourteen groups into which the profession is subdivided was in favour of accepting service under the scheme.

N.H.I. Pricing Arrangements. — Proposal: from the Minister of Health for the simplification of pricing of National Health Insurance prescriptions so that pricing for the six months January-June 1948 can be completed before the end of July 1948,

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been under discussion with the National Pharmaceutical Union. Pharmacists in the pricing bureaux areas affected should shortly receive from the Clerk to their Insurance Committee, after he has been in consultation with the local Pharmaceutical Committee, a letter giving full information about the proposals. Meanwhile the Ministry asks pharmacists in all areas in England and Wales except those of the Manchester, Salford, Lancashire, and London bureaux, to sort their February prescriptions before sending them in to the pricing bureau. Prescriptions which have a net ingredient cost price of 5s. and over should be placed at the top of the bundle. The Ministry's announcement has no reference to the proposals for dealing with arrears of pricing for the latter months of 1947, which have already been circulated in some areas.

Retail Trade in December 1947.—Sales of chemists' wares by large-scale retailers during December 1947 rose by 14.2 per cent. compared with the corresponding month of the previous year. Locally, the increases varied from 2 per cent, in the West End and Central London to 20 per cent, in suburban London. Independent chemists' sales were 9 per cent. higher than in December 1946. In the period February-December, sales increased by 14 per cent. for large-scale and by 10 per cent, for independent retailers.

Industry and Price Reductions. — The Federation of British Industries accepted an invitation from the Chancellor of the Exchequer to submit within a month proposals for securing by voluntary means the reduction of prices called for in the recent White Papers on personal incomes, costs and prices, and on the balance of payments. The Joint Standing Committee of Wholesale Distributors, the Retail Distributive Trades Conference and the Co-operative Conference, have also been invited by the Chancellor to make proposals.

Conference Executive. — At a meeting of the British Pharmaceutical Conference Executive held recently, members warmly received an invitation from the Blackpool Branch of the Pharmaceutical Society for the Conference to meet in Blackpool in 1950 or 1951. A decision on the year was The report of a subcommittee appointed to discuss (with officers of the Society), the revised constitution and bylaws of the Society, stated that, with small modifications, the existing rules of the conference appeared to be suitable.

LOCAL NEWS

Visit to Greenford Laboratories.—Fourteen members of the South-west London Chemists' Association visited the Greenford premises of Glaxo Laboratories, Ltd., on February 11.

Manchester Joint Research Council.— At the annual meeting of the Manchester gration Joint Research Council on February 16, Sir role of E. Raymond Streat, C.B.E., was elected for Chairman, and Sir Charles G. Renold, J.P., Reter S Treasurer.

ests atte Bath Social. — Members and friends of meand the Bath Branch of the Pharmaceutical Pharma Society took part in a social held in the muly. Pump Room on February 12. Mr. E. T. a major. Kingston was master of ceremonies and the miliand guests were welcomed by Mr. A. H. Hale. In Exete

West Sussex Lecture.—At a meeting of tical Society on February 4, Mr. A. R. G. Chamings, B.Pharm., Ph.C. (Ciba Laboratories, Ltd.), gave a lecture tories, Ltd.), gave a lecture entitled "Allergy and Antihistaminics." Mr. W. D. Troup was in the chair.

Visit to Chemical Works.—A party of salty do members of the Chester Branch of the west Pharmaceutical Society visited the Ruabon Box M. works of Monsanto Chemicals, Ltd., on wand February 11. The visitors were shown ash, v stages in the manufacture of aspirin, acetic of Mil acid, vanillin and cresol derivatives.

Wallasey N.H.S. Resolution.—At a recent meeting of Wallasey Pharmacists' Association, a resolution was adopted deploring "the uncertain state of negotiations under the National Health Service and calling for an immediate report on the present situation.

Aberdeen Annual Dinner.—The annual dinner and dance of the Aberdeen Pharmaceutical Association was held on January 11. Professor D. Campbell proposed "The Association" and Mr. W. T. Elder (president) replied. Other speakers were Dr. A. C. West, Alderman W. J. Tristram, and Messrs. John Neil and George G. C. Bain.

Gifts to Edinburgh University. — A letter, dated December 8, 1847, from Sir William Lawrence to Professor James Young Simpson, reporting the first use of chloroform in St. Bartholomew's Hospital and in his private practice, and other documents on the history of chloroform as an anæsthetic, have been presented to the Court of Edinburgh University by Lady Willert and Mrs. Beatrice Long.

Manchester Vitamins Lecture.—A meetof the Manchester Pharmaceutical
sociation and Branch of the Society, orgaed by the junior branch of the Assotion, was held on February 12, Mr.
Dawson in the chair. Dr. F. Wrigley
bke on the use of vitamins as remedial
ents in the treatment of disease, elaborag particularly on the vitamin B complex,
vote of thanks was proposed by Mr. C.
ellor.

Exeter Social Evening.—More than 300 ests attended the first post-war whist ive and dance of the Exeter Branch of Pharmaceutical Society, held in Exeter ently. Among members present were mayor and mayoress of Exeter, the eriff and his lady, Mr. P. M. Smith (chairin, Exeter Branch) and Mrs. Smith, Mr. Holmes (chairman, Torquay Branch) d Mrs. Holmes, and representatives from e Plymouth Branch. Parties came by tor coach from North Devon and Toray, picking up members and visitors at smaller towns en route. Many manucturing and wholesale houses contributed izes for the whist drive and for numerous velty dance competitions. The whist izes were won by Mesdames W. T. mes, M. E. White, D. Worrall, F. Hayard and R. Cornish, and by Messrs. T. F. rnish, W. T. Symes and R. Davies. Mr. C. Milton was in charge of the whist d Mr. S. Bull was master of ceremonies.

IRISH NEWS

Candidates for Eire Senate.—The Council of the Pharmaceutical Society of Ireland has adopted as candidates in the forthcoming poll for the Eire Senate Mr. Frank Loughman (a member of the Council) and Mr. James Coleman (registrar).

Guests of the Doctors.—The president of the Pharmaceutical Society of Northern Ireland (Mr. John McGregor) and Mr. William Gordon (secretary) were among the guests at a dinner given by the Northern Ireland Branch of the British Medical Association in Belfast on February 11 in honour of Dr. Charles Hill (secretary, British Medical Association).

Belfast Education Debate. — An informal monthly meeting of members of the Pharmaceutical Society of Northern Ireland held on February 9 took the form of a debate on educational reforms in the profession, the principal speakers being Mr. H. W. Gamble (for) and Mr. W. H. Boyd (against). Their contributions were followed by a lively discussion, many in the large audience taking part. The president (Mr. John McGregor) was in the chair.

Eire Society's Calendar.—According to the 1948 Calendar of the Pharmaceutical Society of Ireland, published recently, the following were included in the Society's register at October 1, 1947: Pharmaceuti-



RE POST-GRADUATE COURSE.—A post-graduate course for Eire pharmaceutical chemists, held under the rection of Mr. Patrick N. Meenan, M.D., B.L., in Dublin recently, was an outstanding success, The lectures ere given at St. Vincent's Hospital, to which Mr. Meenan is attached, and at 67 Lower Mount Street. Pharacists who attended included Messrs. James Maguire, T. R. Bourke, H. P. Corrigan, D. Glavey, P. O'Shea, F. Crilly, D. J. Murphy, Seamus Fox, J. B. O'Reilly, J. J. Howard, A. Hennessy, J. Boyd, M. J. Mulreany, Hayes, Kevin Whelehan, John O'Sullivan, P. F. McNamara, C. Foley, P. Brooke-Kelly, P. G. Redmond, P. Crowe, J. E. Smith, B. P. Hickey, Maurice Power, W. V. Bowie, J. P. Kissane, J. J. Roche, Liam Byrne, J. Butler, and the Misses Cunniffe, W. Rhatigan, M. B. Lyons, E. MacMahon and A. Flannery.

[" Irish Independent" photo

cal chemists, 1,736 (of whom 853 were members of the Society); chemists and druggists, one; registered druggists, 417 (of whom seventy-three had qualified as pharmaceutical chemists in Eire and 116 in Northern Ireland); associate druggists, forty-six; and assistants, 1,201 (including 749 who had qualified as pharmaceutical chemists).

OVERSEAS NEWS

Anglo-French Economic Talks .- Representatives of the Governments of the United Kingdom and France are meeting in Paris during February to discuss the possibility of closer co-operation in economic matters between French and British colonies.

Bilateral Trade Agreements. — Argentine has signed and Switzerland is in process of negotiating trading agreements with Britain. Under the agreements chemicals are among goods Britain will send to the Argentine, and chemical products among goods that Britain will receive from Switzerland.

U.S. Quinidine Controls.—United States Congress has been asked to continue the present controls on the use and distribut on of cinchona bark and quinidine beyond February 29, the date of expiry. Demand this year is placed at 695,000 oz. of quinidine against a total estimated supply of 540,590 oz.

Italian Penicillin Factory Commenced. -The foundation-stone of an Italian state laboratory for penicillin production was. laid in Rome on February 12. Among those present at the ceremony was Professor B. Chain (a member of the Oxford team of penicillin workers). The laboratory is being erected with the aid of U.N.R.R.A. (see also C. & D., January 10, p. 40).

Restricts U.S. Imports. -Sweden *Licences are now required for the importation into Sweden of nearly all American goods, including chemicals. Trade between Sweden and the sterling area was interrupted by the war of 1939 45, and more than half her imports have come from hard-currency countries. The new restrictions have been dictated by a growing deficit on trade with the United States.

Approved Syphilis Treatment. — Drugs recently authorised for use in the treatment of syphilis by the Veterans' Administration hospitals in the U.S.A. are penicillin, oxophenarsine hydrochloride, and bismuth subsalicylate in oil. Neoarsphenamine, arsphenamine and bismuth arsphenamine sulphonate (Bismarsen), will not be used. It is recommended that penicillin should be administered in aqueous or normal saline solution, freshly prepared, by intramuscular injection.

Pharmaceutical Production in Poland. As part of a three-year plan to re-establish industry in Poland, the former Anorgana factory in Brzeg Dolny, set up by the Germans during the 1939-45 war, and later renamed Rokita, is being utilised for the production of organic pharmaceutical pro-A new penicillin factory at Tarchomin, near Warsaw, is expected to commence operations at the beginning of 1949. We the Most of the apparatus was supplied by U.N.R.R.A.

Australian Trade. — Imports of all classes of merchandise into Australia during the quarter ended September 30, 1947, were valued at £Stg. 69,607,000, against £Stg. 40,176,000 in the corresponding period of 1946. Of these totals the United Kingdom supplies goods to the value of £Stg. 21,170,000 and £Stg. 10,739.000 respectively. Imports of daugs and chemicals, etc., in the third quarter of 1047, were valued at £Stg. 2,514,000, and of platever optical, surgical and scientific instruments, £Stg. 838,000.

New German T.B. Centre. — A new tuberculosis research centre which has been opened at Schloss Bostel, in Schleswig-Holstein, is to investigate the treatment of the human and bovine forms of the disease and the associated problems of bacteriology, pathology, nutrition and sociology. Medical authorities in Hamburg and Bremen are co-operating, and the team of workers includes Professor Domagk (Nobel prizewinner for medicine, 1939), whose name is associated with the introduction into medicine of the sulphonamides.

Stricter Hypnotic Control Sought .-Representations are to be made to the South African Minister of Health by the South African Medical and Dental Council, and the South African Pharmacy Board, that more stringent control should be placed on the sale of hypnotics and other medicines which are dangerous when taken in too great a quantity. At a statutory meeting of the Pharmacy Board in Cape Town in January it was decided that a joint committee meeting should be held with the Medical Council to prepare a list of the drugs over which it is considered desirable for stricter control to be exercised in the Union.

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TOPICAL REFLECTIONS

Decision on Examinations

Your report of the February meeting of he Pharmaceutical Society's Council (pp. 15-18) will, I trust, be carefully read by mployers, students and parents of stu-The debate on Mr. Granville haw's proposed amendments of the Eduation Committee's draft regulations was vell sustained, and the voting showed a haracteristically British desire for comromise. So much has appeared in your olumns on the educational outlook in harmacy that I need not attempt to go ver the ground again. Undoubtedly it vill, as was said at the Council meeting, be the advantage of pharmacy "to have eople coming forward with a high degree f training." This remark was made propos of the National Health Service, s to which we are without information, at he time these sentences are written, on he course of negotiations between the Mintry of Health and the representatives of harmacy. The question of receiving help rom unqualified assistants produced a lifierence of opinion. It seems to me that vhatever may be the outcome of the presnt dispute between the Ministry and the nedical profession, there will before long be so much additional dispensing that pharmacists will need the aid of non-pharnacists in order to keep it well in hand. Medical men have for some years past had heir auxiliaries for such work as massage; here is little difference, if any, in priniple between that arrangement and the employment of the unqualified, under upervision, to hew wood and draw water.

Changing Aspects of Science

Changing aspects of science are evident on two other pages of last week's issue. On p. 210 you report a practical address by Dr. W. M. Todd on the teaching of chemistry to students of pharmacy. No one need suppose that a subject of this kind is necessarily dull; in Dr. Todd's ands it was quite otherwise. After criticisms of the existing syllabus for the Chemist and Druggist Qualifying examination, and to a less extent of the Pharmaceutical Society's higher examination, he went to the heart of the matter by saying that some specialisation is needed in chemistry courses, and that accordingly pharmacy students are entitled to a separate intermediate course in that subject. Separations of this kind, he added, are bound to

come. Among other reforms recommended in the address are revision of the practical course and a greater emphasis on chemical principles. The Education Committee of the Pharmaceutical Society has, presumably, taken due notice of these expert suggestions. The other subject alluded to at the beginning of this paragraph is Dr. W. F. Elvidge's first instalment of "Physico-Chemical Methods of Pharmaceutical Analysis" (p. 219). In 1925-26 you published a series of articles on physico-chemistry which were read with appreciation, as I learned at the time. The present series will bring us a further acquaintance with the fascinating borderland between chemistry and physics.

Arms and the Tile

The pill tile described and illustrated on p. 222 is one of the few of its kind hitherto traced in this country. Occasionally a tile with this coat of arms reaches an auction room. The few belonging to the London Museum are still, probably, in storage awaiting the return of the buildling to its normal use. The "locus classicus" of the motto "Opiferque per orbem dicor" is given at some length in "Chronicles of Pharmacy" (I.9), and is no doubt familiar to many of your readers. The quaint spelling of the grant made by William Camden, Clarenceux King of Arms, to the Society of Apothecaries soon after its foundation is not copied in the book on heraldry from which the author of the Chronicles quoted; but it is preserved in Barrett's history of the Society. After a preamble Camden proceeds: . . . in a Shield Azure. Apollo, the inuentor of phisique proper, with his heade Radiant, holding in his left hand, abowe & his Right hande an Arrow: dor, Supplanting, a Serpent, Argent, aboue the Shield an Helme, thereuppon a mantle gules doubled Argent, and for their Creast vppon a Wreath of their Colours, A Rhynoceros, proper, Supported by too Vnicorns, or, armed and vngulated argent, upon a Compartiment to make the Atchieuement compleat, this motto, OPI-FERQUE PER ORBEM DICOR." Many visitors to the City of London will remember the coat of arms placed over the entrance to the Society's premises in Water Lane; those who have been privileged to see the interior will have noticed other Xrayser examples.

COMPANY NEWS

Tone Pharmaceuticals, Ltd. (P.C.).—Capital £15,000. Lionel A. Gray and Mabel M. Gray, directors. R.O.: Stafford House, Billetfield, Taunton.

A. CHARRETT, LTD. (P.C.).—Capital £5,000. To acquire the business of a chemist carried on at 31 East Street, Horsham. Arthur Charrett, M.P.S., Gladys C. Charrett and Jack Holden, M.P.S., directors.

United Sponge Co., Ltd. (P.C.).—Capital £15,000. To carry on the business of importers, etc., of sponges, loofahs, etc. Harold May and Dora May, directors. R.O.: 41 Royal Mint Street, London, E.T.

R. A. Brown (Chemist), Ltd. (P.C.).—Capital £500. To acquire the business of a chemist carried on at 323 Long Lane, Hillingdon, Middlesex. Ethel M. Brown, William R. E. Brown, William J. A. Brown and James Smith, M.P.S., directors.

FOXHALL, LTD. (P.C.).—Capital £3,000. To acquire the business of a drug store carried on at 6 Park Street Arcade, Walsall. Geoffrey Hubball, M.P.S., Mary Hubball, Irene M. Hubball and John W. Fox, directors.

CLAN PERFUMES, LTD. (P.C.). Registered in Edinburgh.—Capital £100. To carry on the business of perfume manufacturers, chemists, etc. First directors are to be appointed. R.O.: Clydesdale Bank Buildings, Inverness.

MAUDSLEY & JACKSON, LTD. (P.C.).—Capital £2,000. To carry on the business of chemists and druggists, etc. Philip J. Maudsley and Ronald W. Jackson, M.P.S., directors. R.O.: 1 Court Lane, Skipton.

C. E. Bell, Ltd. (P.C.).—Capital £500. To carry on the business of chemists and druggists, etc., carried on by Violet A. Cook at Hamilton Road, Felixstowe. Violet A. Cook, M.P.S., and Russell H. Cook, directors.

LABORATORY SUPPLIES, LTD. (P.C.).—Capital £100. To carry on the business of chemical laboratory outfitters, etc. First directors are to be appointed. Solicitors: Ferris Roberts & Co., 17 Leeland Mansions, Leeland Road, London, W.13.

Hygenico Products, Ltd. (P.C.),—Capital £2,000. To carry on the business of chemists and druggists, etc. Alfred W. Kramer and Joan M. Kramer, directors. R.O.: 56 Evering Road, London, N.16.

A. Widdison, Ltd. (P.C.).—Capital £1,600. To carry on the business of wholesale and retail chemists and druggists, etc. First directors are not named. Secretary: A. Widdison. R.O.: 85 Haverstock Hill, London, N.W.3.

Scirema, Ltd. (P.C.).—Capital £5,000. To carry on the business of manufacturers, etc., of chemicals, drugs, pharmaceutical supplies, etc. Dr. Stephen Rath, director. R.O.: 156 Charing Cross Road, London, W.C.2.

G. U. STERILIZERS, LTD. (P.C.).—Capital £10,000. To carry on business of manufacturers of and dealers in sterilising plant, etc. Robert Schranz and Paul Ziegler, directors. R.O.: Victoria Works, Cricklewood, London, N.W.

Percy Davy, Ltd. (P.C.).—Capital £3,500. To acquire the business of a dispensing chemist, etc., carried on at High Street, Rotherham. Percy Davy, M.P.S., Miss Kathleen Davy, Marjorie Hodgson and Ronald Shearer, directors.

MANOR PARK PHARMACY, LTD. (P.C.).—Capital £1,000. To carry on business of chemists, drugists, etc. Vancouver Patterson and Gerald F. Patterson, M.P.S., directors. R.O.: 7 Villiers Road, Slough.

K. J. Baldwin & Co., Ltd. (P.C.).—Capital £100. To carry on the business in veterinary products, chemists, etc. Kenneth J. Baldwin, M.P.S., Harry T. Howlett and Frederick G. Hobart, Ph.C., directors. R.O.: 18 Thanet House, Croydon.

Keldon, Ltd. (P.C.).—Capital £100. To carry on the business of chemists and druggists, etc. Eric A. Mott, Margery Grove, Henry M. Seward and Henry F. Crowther, directors. R.O.: 14 King William Street, London, E.C.4.

Breakspear Pharmaceuticals, Ltd. (P.C.).—Capital £1,000. To carry on business of pharmaceutical chemists, etc. First directors are not named. Secretary: H. F. Breakspear, M.P.S., Harlow Road, Maidenhead.

WILLIAM HILL (CHEMISTS), LTD. (P.C.).—Capital £1,000. To carry on the business of chemists and druggists, etc. Edward J. H. Cronan, Marion C. K. E. Cronan and John W. Archer, M.P.S., directors. R.O.: 4 Westbourne Grove, London W.2.

CADULAC CHEMICALS, LTD. (P.C.). — Capital \$5,000. To acquire the business of chemical manufacturers carried on by Cadulac Chemicals at Radcliffe, Manchester. Leonard V. A. Hutchison and Cecil W. R. Hutchison, directors. R.O.: Wright Street, Radcliffe, nr. Manchester.

CHARLES J. QUIRK & Co., LTD. (P.C.).—Capital £10,000. To carry on the business of dealers in and distributors and manufacturers of carbides, cyanamides, nitrogen, nitric and sulphuric acid, ammonia, sulphate and nitric of ammonia, sulphur and chemicals of all kinds, etc. Frederick W. Summerfield, Gordon C. A. Summerfield and Douglas W. Summerfield, directors. R.O.: 55 Gordon Square, London, W.C.1.

Southalls (Birmingham), Ltd.—Net profit for 1947 after depreciation and taxation amounted to £71,930 against £108,468. A final dividend of 15 per cent. is recommended, making 25 per cent., the same as in the previous year, plus 7½ per cent. dividend out of investment income.

W. J. Bush & Co., Ltd.—The directors propose to increase the capital to £750,000 by the creation of 375,000 5 per cent. preference shares of £1 each, and to subdivide the present 25,000 preference shares of £5 each into shares of £1 each. It is intended to issue the new shares at 23s. 6d. per share and to offer them to preference shareholders registered on February 16 in the proportion of three new shares for every £1 nominal value of preference shares held. In addition to the preference and ordinary capital there is outstanding £125,000 4 per cent. debenture stock.

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PERSONALITIES

MR. L. O. SMITH, European manager of arke, Davis & Co., is leaving London nortly for a business visit to Egypt. He is eing accompanied by Dr. J. Stanley White, tho is afterwards going on to Turkey to alfil a number of lecture engagements.

DR. SAMUEL E. SHEPPARD, the assistant irector of research, the Eastman Kodak



Research Labora-Rochester, tories, N.Y., U.S.A., retired recently after thirty-five years with the organisation. He studied photography University College, London. Outstanding among many researches he conducted was the discovery (with coworkers) that the sensitising action of gelatin for silver

romide was affected by the presence in elatin of sulphur compounds, among which were derivatives of mustard oil, preumably derived from the food of animals. Ie also discovered a number of compounds hich increased the sensitivity of film in arious parts of the spectrum. He has orked, too, on the theory of dye sensitising nd on the influence of the colloidal aggreation of the dye molecules on their photoraphic properties, and on the physical, hemical and colloidal properties of gelatin nd cellulose esters. Dr. Sheppard, who btained his Doctor of Science degree in hemistry in 1906 for a thesis written ointly with Dr. C. E. K. Mees (now viceresident and director of research of Eastnan Kodak Co.), later studied in France nd Germany, and in 1910 joined the reearch staff of Wratten & Wainwright. which was directed by Dr. Mees.

In 1913 he joined the staff of the Kodak Research Laboratories in America, and in 924 he was appointed assistant director f research. Among the many honours he eccived have been fellowships of the Royal Photographic Society and of the Chemical ociety.

Mr. Andrew Wolseley Kernahan, M.P.S.N.I., has been appointed pharmaist to the Northern Ireland Ministry of Health. He will advise on pharmaceutical matters and be responsible for organising and superintending the newly-established Drug Pricing Bureau. Mr. Kernahan, who was apprenticed with Mr. J. M. Glass, M.P.S.N.I., Bangor, co. Down, won the Fairchild prize for Ireland in 1934, and passed his final examination two years later. Afterwards he acted as manager for Mr. James Glendinning, M.P.S.N.I. (a member of the council of the Pharmaceutical Society of Northern Ireland). Londonderry, for four years, during which time he was also lecturer in pharmacy at Londonderry Municipal Technical Institute. He joined the Royal Navy and reached the rank of Lieutenant, R.N.V.R. After demobilisation he was appointed a medical representative of Trufood, Ltd., covering London and the southern counties of England.

BUSINESS CHANGES

COLLIN'S CASH CHEMIST, LTD., have acquired the business at 24 Westway, Caterham, Surrey, formerly carried on by H. Hocken, Ltd.

MR. A. J. C. GORM-LEY has been appointed managing director of International Chemical Co., Ltd., Kolynos (Sales), Ltd., Anadin, Ltd., Bisodol, Ltd., and A. S. Boyle Co., Ltd., following the resignation recently of Mr. C. V. Coome. Mr. Gormley has been chairman of the companies since 1945.

Gray's Camera Shop (Wholesale), Taunton, has been taken over by Tone Pharmaceuticals, Ltd. (see p. 234).



MR. WILLIAM DICK, M.P.S.N.I., has opened a branch pharmacy at the corner of Arthur Street and Arthur Square, Belfast.

King & King (Chemists), Ltd., Bristol, have transferred their head office to 4 Park Street, Bristol, 1.

THE WHOLESALE DRUG FEDERATION OF IRELAND (formerly the wholesale section of the Irish Drug Association) has established its offices at 12 College Green, Dublin.

Mr. NORMAN L. BANKS, M.P.S., points out that, although he acquired his business at 294 London Road, Portsmouth, from Mr. H. A. Elliott, M.P.S., Mr. Elliott remains the proprietor of the pharmacy at 97 London Road, Portsmouth.

Boots, Ltd., have acquired the pharmacy at 41 High Street, Lanark, formerly carried on by the late Mr. H. C. Craig, and the pharmacy at 1 West Street, Bourne, Lincs, formerly carried on by H. Barker & Co. (Chemists), Ltd.

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DEATHS

APPLEYARD. — On February 12, Mr. Frederick William Appleyard, M.P.S., 71 Cecil Avenue, Bradford, Yorks, aged sixty-three. Mr. Appleyard had been for thirty-five years in business at Great Horton Road, Bradford. He was a founder-president of the Bradford Branch of the Pharmaceutical Society and a director of Bradford Chemists Alliance, Ltd. He was a Past Master of the Corinthian Lodge of Freemasons, and a member of the Pentalpha Chapter. He was for a time a churchwarden at St. Colomba's Church, Bradford. Mr. Appleyard is survived by his widow.

Halstead, 44 Cliff Street, Rishton, Lancs (a representative of C. A. Critchley & Co., Ltd., wholesale chemists, Blackburn), aged fifty-three. Mr. Halstead was at one time associated with his father's pharmaceutical business in High Street, Rishton, but left it to take up political organisation, which in turn he gave up ten years ago to join Messrs. Critchley.

HOWARD-TAYLOR. — At Bolingbroke Hospital, London, S.W.11, after a long illness, Mr. Frederick Howard-Taylor, 20 High Trees House, Nightingale Lane, London, S.W.12, founder and managing director of Howard-Taylor, Ltd., manufacturing chemists, Balham High Road, S.W.12, aged forty-seven.

Kraushaar. — Recently, Mr. Herbert Kraushaar, formerly home sales manager of Iliord, Ltd. Mr. Kraushaar's death ends a lifetime of association with the British photographic industry. Forty-six years ago he joined the office staff of Ilford, Ltd., leaving in 1911 to become sales and advertising manager of Thos. Illingworth & Co., Ltd., for whom, in as ociation with the late Mr. Thomas Illingworth (founder of the company) and Mr. T. Midgley Illingworth (now deputy-chairman and joint managing director of Ilford, Ltd.) he built up the sales organisation into a vital force in the industry. On the amalgamation in 1930 of many British photographic companies with Ilford, Ltd., Mr. Kraushaar returned to that company, where he was entrusted with the management of the home sales department, which had to be quickly and greatly expanded to deal with the business of the various companies in addition to that of the parent company. His task of welding together the inside and outside

sales staffs of the several companies was strikingly successful, and in the eight years prior to the beginning of his long illness his unique experience and skilful management contributed in no small measure to the rapid progress made by the company. Mr. Kraushaar's illness began with tragic suddenness in 1938, at the early age of fiftyone. In spite of severe physical handicaps, he continued for nearly ten years to carry on with many of his interests in the photographic industry, "His determination and fortitude during these difficult years," writes a business associate, "commanded the respect of his friends and colleagues, who watched his unceasing struggle against a cruel disability with the greatest admiration. He will be greatly missed, for he had a remarkable capacity for friendship, and even in the last years never spared himself to give help where it was needed." Mr. Kraushaar is survived by his widow, a son and two daughters.

LILLY. — At Indianapolis, U.S.A., on February 8, Mr. Josiah Kirby Lilly, aged eighty-six. Mr. Lilly was born in Indiana. He was associated with his father. Colonel Eli Lilly, from its commencement, seventyone years ago, in the company that bears his father's name. Four years after the business had been established, he entered the Philadelphia College of Pharmacy and Science, from which he graduated in 1882. H: returned to Indianapolis, and maintained an uninterrupted connection with the company for the next sixty-three years, serving as president and later chairman for forty-seven years. In 1945 he retired from active service with the company, but maintained the closest personal link with it until the end of his long life. His cultural, scientific and educational associations were recognised during his life by eight colleges and universities, which conferred honorary degrees upon him. To his initiative and vision, writes a correspondent, the success of Eli Lilly and Co. can without doubt be largely credited. He was generous in giving credit to his associates for accomplishments, promoting harmony that brought team work in the organisation.

McCallum.—On February 2, Mr. William Hector McCallum, Lettermore Cottage, Kentallen, Appin, Argylls, aged sixty-seven. Mr. McCallum qualified as a chemist and druggist in 1905. After serving as an assistant in the Vere Street pharmacy of Allen & Hanburys, Ltd., he was

later, for some time, in charge at the company's Plough Court pharmacy before returning, in 1918, to succeed the late Mr. F. W. Gamble as manager at Vere Street. He retired in 1940.

MAGLEAN.—At Strathavon, West Overcliff Drive, Bournemouth, on February 13,



Sir Alexander Campbell Maclean, aged seventy-five. Sir Alexander was born in Glasgow in 1872 and educated at Auckland Grammar School, New Zealand. In the early 20's he returned to this country, and in 1919 founded the firm of manufacturing chemists bears which name, and which

was sold in 1938 to the Beecham group of companies. He was a notable benefactor of the Lord Mayor Treloar Cripples Hospital, of which he was a trustee, and other charities, and in 1939 gave £100,000 for the construction of a new seaside branch of the hospital at Sandypoint, Hayling Island. His other gifts include £10,000 to the Royal Victoria and West Hants Hospital, Bournemouth, and £5,000 to a fund for providing cancer treatment in the hospital, as well as a gift of £3,000 for a soldiers' club in Bournemouth. He financed the first laboratories of the Empire Rheumatism Council, St. John's Wood, and maintained three research chemists at the laboratories. He gave £10,000 to the Hampstead hospital and £5,000 to the Letchworth cottage hospital. He received his knighthood in 1939.

WILLS

MR. JAMES STOTHERT, 4 Warwick Road, St. Annes-on-Sea, Lancs, formerly of 45 Grosvenor Road, Scarborough, a retired pharmacist, left £3,716, with net personalty £3,655.

Mr. George Robert Priddey, M.P.S., 22 Oakleigh Avenue, Timperley, Cheshire, formerly chief pharmacist at the Manchester Royal Infirmary, left £1,354, with net personalty £796.

Mr. WILLIAM HENRY MILES, 29 Eldred Avenue, Withdean, Brighton, formerly of 110 Hollingbury Park Avenue, Brighton, retired pharmacist, left £1,214, with net personalty £1,156.

LEGAL REPORTS

Committed for Trial.—At Old Street, London, magistrates' court, on February 12, Manasseh Sidnick was committed for trial at the Central Criminal Court on several charges alleging theft, embezzlement and forgery (see C. & D., February 14, p. 204). Bail was allowed.

Dangerous Drugs Not Entered.—At a special court at Leominster recently, Dr. Herbert Archibald Morison, Newlands, Leominster, was fined a total of £110, with £15 costs, on eleven charges of failing to make entries in a register in respect of diamorphine and other Dangerous Drugs obtained by him from Frank John A. Edwards, chemist, Leominster, and from other sources.

Pharmacy Act Fine.—At Lambeth, London, magistrates' court, on February 9, G. H. W. Spedding, 12 Grove Lane, Camberwell, S.E.5, pleaded not gullty to a labelling offence under the Pharmacy and Medicines Act, 1941. Defendant had no pharmaceutical qualifications, An inspector of the Pharmaceutical Society said he was supplied at his shop by a young lady assistant with a bottle labelled to the effect that the preparation was for the speedy rel'ef of coughs. It bore the name and address of the defendant but there was no label indicating the ingredients or quantities. The magistrate imposed a fine of £5, with £5 5s. costs. Details were given of a number of previous offences.

Saccharin Purchases Unrecorded. — At Portadown, Northern Ireland, petty sessions on February 9, Peter Francis McFarland, 43 Hanover Street, Portadown, was summoned for having failed to keep a record of purchases of saccharin. Evidence was given that in McFarland's house the police found two unlabelled tins containing thousands of saccharin tablets, brochures. and a memorandum referring to the purchase of saccharin envelopes. Defendant said he was helping his brother in business, but neither of them had a licence to deal in saccharin tablets. He denied importing saccharin tablets or powder from Eire. The only consignment received was one of 10 lb., but he did not wish to say where it came from. McFarland's solicitor submitted that there was no sale by retail or wholesale, and that there was therefore no obligation to keep a record of purchases. He had spoken to pharmaceutical chemists who did not know that such a law existed. The resident magistrate imposed a fine of £10. He said there was a duty to keep correct records.

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TRADE NOTES

Advertising Campaign. — Leda Chemicals, Ltd., Wharf Road, Ponders End, Middlesex, announce that a national Pressadvertising campaign has been launched for Leda baby powder.

Prompt Shipment from New York.—Biddle, Sawyer Corporation, 62 West 47th Street, New York, 19, U.S.A., offer Podophyllum peltatum root for prompt shipment from New York on buyers' licence.

Soapless Tablet. — Claimed to be the best of its kind yet produced, providing a



"soft and generous lather," the Ava soapless toilet tablet illustrated is available in boxes of three from Ava, Ltd., 9 Park Hill, London, S.W.4.

Now in Cartons.—C. J. Hewlett & Son, Ltd., 35 Charlotte Road, London, E.C.2, state that the tins of Hewlett's antiseptic cream are now being issued packed in individual cartons.

Sponge Stocks. — Leslie Marks & Co., Ltd., sponge importers and exporters, invite chemists to inspect stocks which are on show at the company's extended premises at 3-9 Earlham Street, Cambridge Circus, London. W.C.2.

Eye Cosmetics.—Coty (England), Ltd., 3 Stratford Place, London, W.I, have introduced an anti-wrinkle eye cream in jars of one size, and an eye shadow (colours: blue, brown, grey, green or violet) in plastic containers of one size.

Razor for Ladies.—Made available only during the past few days, the Laurel ladies' boudoir safety razor may be obtained in unlimited quantities by either home or overseas buyers from the manufacturers, Geo. H. Lawrence, Ltd., Sheffield, 3.

Bottles.—Peter Brent & Co., Ltd., Dudley House, Southampton Street, Strand, London, W.C.2, offer bottles for medicinal and toilet preparations and jars for face and hair creams, bath salts, etc. A list will be sent to any pharmacist on request.

Utrecht Fair. — THE CHEMIST AND DRUGGIST, C. & D. "Export Review," and other publications of Morgan Bros. (Publishers), Ltd., will be represented at the Utrecht Fair, Holland, April 6 to 15, by Mr. S. H. Hartog. 9 Radnor Lodge, Sussex Place, London, W.2.

Package Change. — Pharmax, Ltd. Organ Works, Old Hill, Chislehurst, Kent state that Ralgex is now being issued ir aluminium containers; the contents are unchanged.

British Lenses for U.S.—Taylor, Taylor & Hobson, Ltd., Leicester (a company of the J. Arthur Rank organisation) have received an order from the United States for photographic lenses worth £41,000 for use in American ciné cameras and projectors.

Again Available.—Continental Laboratories, Ltd., 101 Great Russell Street, London, W.C.1, announce that Uralysol, manufactured according to the original formula (with thyminic acid and piperazine tartrate), is again available.

At Canadian Fair. — W. James Davies (Western), Ltd., manufacturing chemists, Maindy Works, Maindy, Cardiff, are exhibiting their specialities Likro-menths liquorice and menthol pellets and L. & B. liquorice and blackcurrant pellets at the Canadian International Trade Fair, Toronto, Canada, May 31 to June 12.

Production Increased.—A new carding plant and knitting machine for the production of sanitary towels is now in full operation at the Hucknall factory of Splendor, Ltd., Beastmarket Hill, Nottingham. As a result, the company's sanitary towel production has been considerably increased, and prompt delivery of all orders is assured.

Spring Exhibition.—A Spring exhibition to mark their "golden year" is being staged by S. Maw, Son & Sons, Ltd., Aldersgate House, New Barnet, Herts, at the Exhibition Centre, Leicester Square, London, W.1, March 2 to 12. The company's whole sales staff will be present at the exhibition, and a special aircraft will bring buyers from Belfast, Northern Ireland.

New Proprietaries.—In addition to catering for a widening market for the

original Zam-Buk, C. E. Fulford, Ltd., of Carlton Hill, Leeds, have introduced a new Zam-Buk medicinal cream to meet the demand for a white non-greasy skin



ointment. Another new Fulford product is Zam-cones, an improved hæmorrhoids suppository with a low-melting base. Introductory discounts are being offered. Cost Price and On-cost. — Under the title "Retail Mark-up," Anda Publishing Co., Ltd., 131 Dukes Avenue, Muswell Hill, London, N.10, have issued a 64-page booklet compiled by H. Black. It is intended primarily for drapery and departmental store businesses, but includes tables (occupying about two-thirds of the booklet) giving maximum retail selling prices at percentages of 29.04, 33\frac{1}{3}, 35, 37.94, 40, 42.86, 47.86, 50, 55, 60 and 65 on retailers' cost price. The booklet is priced at 4s. 6d.

England Visit.—Messrs, T. D. E. North and R. E. Marsh, two of the directors of A. J. North & Co., Ltd., manufacturers' agents and distributors, Dudley House, Cape Town, South Africa, will arrive in Britain on a business visit on April 9, leaving for the United States on May 15. The company has depôts at Johannesburg, Durban, Port Elizabeth, East London, Bulawayo and Bloemfontein. Communications to Messrs. North and Marsh during their visit may be sent to them c/o the offices of the C. & D., 28 Essex Street, London, W.C.2.

New Complexion Milk.—The introduction of "deep-cleansing milk" is announced by Colloidal Chemists, Ltd., London, whose range of creams now includes "all-day matt," two-purpose skinfood and





hand cream. The new preparation is in 4-oz. bottles. Advertisements are appearing in women's magazines. The sole distributors for the United Kingdom are S. Maw, Son & Sons, Ltd., Aldersgate House, New Barnet, Herts.

Manufacturers for Europe. — Arrangements have been made for the manufacture and distribution in Europe of the Ekem acuum-operated liquid filling machine, model 1950, designed by Mr. E. K. Moessmer (governing director, Ekem Engineering, Ltd.) to be carried out by Busby, Winter & Co., Ltd., from 9 Andover Place, London, N.W.6. The arrangements have been made because Mr. E. K. Moessmer is leav-

ing England for South Africa to become scientific advisor to the South African Government in connection with its new industrialisation programme. The services of Mr. Moessmer as technical consultant are being retained by Messrs, Busby Winter.

Large-size Lipstick. — A new 13-mm. lipstick (of a size popular for some years in the United States) has been introduced by



Goya, Ltd., 161 New Bond Street, London, W.1. The lipstick, Grandee, is available in seven shades; the case has a "slick twist action"; and refills are also issued. The price is substantially lower than for the previous 11-mm. Goya lipstick, which is being discontinued when present stocks are exhausted.

Veterinary Advertisements. — Evans Medical Supplies, Ltd., Speke, Liverpool, 19, have available for the use of pharmacists two advertisements for Evans' lamb dysentery serum and other veterinary products. Two sizes have been made for each advertisement, and there is space for inserting the pharmacist's name and address. On one advertisement the name of one of five different products may be inserted, according to season. Requests should be made to the company's publicity department.

Proprietary Articles Trade Association

Alterations to Protected List (Part 1).—Granto Laboratories, Ltd., Gluconon, 20s. 3d. doz., 2s. 3d. (exempt from tax).

J. G. Ingram & Son, Ltd., Enemas, Perfex, 528. doz., 6s. (exempt from tax); Zenith and Utilema, 56s. doz., 6s. 6d. (exempt); Sterilendum, 65s. 6d. doz., 7s. 6d. (exempt).

Additions to List (Part 2).—Scylla, Ltd. (distributors, John Knox (Stoke-on-Trent), Ltd.), Scylla hair-toning rinse (packets of three), 3s. doz. (tax 125 per cent), inclusive retail price 10d.; shampoo, 3s. doz. (tax 50 per cent), i.r.p. 6\frac{1}{2}d.

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THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

In the House of Commons on February 11 Mr. P. Piratin asked the Minister of Food to publish lists of increases in the prices per lb. of chocolate and cocoa since January 1946, and of the total national increases to the consumers. Mr. John Stra-CHEY replied that the price of chocolate and chocolate confectionery had been increased from an average of 2s 7d, to an average of 2s. 11d. per lb. in May 1947. On the basis of a 3-oz. ration, the increase was estimated to cost the consumer about £4 millions a year. There would be a further average increase, as announced, of 11d. per lb. on February 29, 1948; on the same basis, the increased cost to the consumer would be about £11 millions a year. The price of cocoa powder was increased from an average of 1s. 8d. per lb. to an average of 2s. 2d. per lb. in May 1947. The increased cost to the consumer was estimated at £900,000 a year.

Local Soap Shortage

Mr. John Strachey informed Mr. Phil-LIPS PRICE that the Ministry's local officers had received no complaints recently of any special shortage of soap in the Forest of Dean, but he promised to investigate.

Gelatin Qualities

Mr. S. Marshall asked the Minister of Food on what grounds the Middlesex County Council had been advised by the Ministry to use an inferior quality of gelatin in their hospitals, when ample supplies of high-class gelatin were available. The reply was that supplies of high-class gelatin were still short. The county council had applied for permission to increase their usage of gelatin at a time when supplies were insufficient to meet demands for those types of manufactured food in which it was essential that gelatin should be used. There was available, however, a low-melting-point gelatin which was, in the main, unsuitable for food manufacture but suitable for domestic and catering use, sold principally through retail grocers. council received permission to increase their usage provided they took that grade of gelatin.

Sweets on Prescription

February 11 the Conservatives moved a prayer for the annulment of the Personal Points Order (which cut the sweet

During the debate Colonel #1 ration). STODDART-SCOTT commented that children and and mothers were not getting enough suga. the E carbohydrate dia and sweets; there was The Ministry of Food hac hell realised this and had arranged that, on a line doctor's prescription, sugar and sweets a could be obtained from any chemist's shop without having to give up coupons. "I without having to give up coupons. want to suggest that this should be ex- on he tended, and that Dr. Summerskill should Min make it more fully known to the general the public that, when their children are short with of sugar, they can go to a doctor and get wire a prescription to obtain extra sweets without giving up coupons. Will she also make it known to all pharmacists and chemists in this country that they have to stock these sweets? On every occasion on which I snot have written out a prescription for my own children to get sweets," said Colonel Stod-dart-Scott, "I have never found a chemist who knew that he had to dispense the prescription. Even after it was brought to his notice, it was some weeks before one could get barley sugar. Will she make it possible for these prescriptions to be honoured at ordinary sweet shops?"

DR. EDITH SUMMERSKILL (Parliamentary Secretary) replied that, when the cut had been imposed, the manufacturers, together with sugar users, had accepted the cut quite generously. She made no specific reply to the point raised by Colonel Stod-The prayer was defeated by dart-Scott. 205 to 39.

Factory "Staggering" to be Suspended

On February 12, Mr. George Isaacs (Minister of Labour) announced that staggering of hours would be suspended from March 29. It had always been contemplated that the arrangements for spreading industrial electricity load should operate during the winter months only. It was essential, however, that all users of electricity should continue to exercise the utmost economy. Staggered hours would have to be reintroduced at about the same period in the autumn.

Government Hearing-aid

SIR ERNEST GRAHAM-LITTLE asked the Minister of Health on February 12 at what date the design of Medresco was adopted as the deaf-aid to be supplied officially as part of the new Health Service, whom he nad consulted before this was done, and what had been the cost to date of furnishing the instrument. Mr. Aneurin Bevan aid it had been decided in April 1947 to order a bulk supply of hearing aids in accordance with a specification prepared by the Electro-Acoustics Committee of the Medical Research Council and the Post Office Research Department. He was not able to assess the cost of the preparatory work.

Cod-liver Oil Prices

On February 16, Mr. A. R. Hurd asked the Minister of Food if he was satisfied that the increase in the past year from 35, 9d. to 165, 5d. per gall. in the price of cod-liver oil used in chick rearing was ustified. The reply was that the price of oil in 5-gall. drums had increased from 115, 7½d. a year ago to 165, 6d, at the present time. The increase of 40 per cent. I was not out of line with an increase of 50 per cent. in the cost of the raw materials.

Distribution of Gift Soap

MR. H. R. SPENCE asked the Minister of Food on February 16 what quantities of ats and soap had been received from the Countrywomen's Association in Australia n 1947, how much had been distributed, and to whom. The figures given in reply were: 360 cases of fats and forty-four cases of soap. Of the fats, 271 cases went to local authorities for distribution to aged and needy people, and fifty-eight to hospitals, leaving thirty-one cases yet to be allocated. All the soap had been allocated to local authorities.

Soda Ash Production

SIR STANLEY REED asked the President of the Board of Trade on February 17 whether he would give an assurance that the supply of soda ash was sufficient to meet the needs of the glass container industry of Great Britain without importation from Belgium and Czechoslovakia. Mr. Bottomley (Secretary for Overseas Trade) replied that urgent steps were being taken to increase the production of soda ash and it had recently been possible to make a small increase in the allocation to the glass container industry, but their requirements could not be met in full for some time to come.

Imports of a Proprietary

Sir Hugh Lugas Tooth asked the President of the Board of Trade on February 17 what were the total quantity and value of

imports into the United Kingdom in 1947 of the proprietary brand of silver vitellin known as Argyrol; to what extent such imports were necessary to meet a deficiency in the domestic supply, or what other reason there was for spending dollars on the preparation.

MR. BOTTOMLEY: Imports of Argyrol are not shown separately in the monthly Trade and Navigation Accounts of the United Kingdom, but import licences were issued during 1947 for a total quantity of 13,780 oz., valued at £3,254. Imports were made under the Token Imports Scheme, and not because of any deficiency in the domestic supply.

Tax on Veterinary Vaccines

MR. NIALL MACPHERSON asked the Chancellor of the Exchequer on February 17 whether he would consider abolishing purchase tax on agricultural vaccines and serums. SIR STAFFORD CRIPPS replied that many sera, antigens and vaccines were already exempt from purchase tax as being essential for the welfare of livestock of economic importance. He would be considering the question of animal medicines further in the review of the tax which he had undertaken to make in connection with the forthcoming Budget.

INQUESTS

Fatal End of "Practical Joke."—At a resumed inquest at Halifax recently on a student nurse at the Halifax general hospital, who died from alcoholic poisoning, it was stated that two other nurses had planned a practical joke by add ng methyl alcohol to bottles of liquor for a Christmas party. The methyl alcohol had been obtained from the pathological laboratory. The deputy coroner said that the nurses' action did not amount to criminal negligence. A verdict of accidental death was returned.

"Mysterious Dreams" from Cleansing Fluid.—A verdict of accidental death was returned at an inquest at Ditchling, Sussex, recently, on a sixteen-year-old schoolboy who had died after inhaling, through an adapted civilian respirator, fumes from an experimental fluid cleanser containing carbon tetrachloride. There was a warning on the bottle about the use of the liquid. Three schoolboys gave evidence that the dead boy had told them of using a liquid which made him sleep; he had also said that the liquid "gave him mysterious dreams."

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The Case Against the Imposition of

PURCHASE TAX ON DRUGS AND MEDICINES

REFORE submitting the case calling for drastic action in respect of the tax on drugs and medicines by the Chancellor of the Exchequer, it would be as well to interpolate the following brief history of the origin and growth of purchase tax. A Purchase Tax Bill was introduced in Parliament in July 1940, proposing a "basic" tax of 333 per cent. and a "reduced" tax of $16\frac{2}{3}$ per cent, on specified classes of goods. This measure was later withdrawn and was substituted by the Finance (No. 2) Bill, 1940, which was finally approved by Parliament in August 1940. Purchase tax commenced to operate on October 21, 1940, with the rate of tax on "Drugs and medicines, manufactured or prepared" (Class 19), at 162 per cent. Section 20 of the Finance (No. 2) Act, 1940, provided for the exemption from tax of drugs of "essential character and exceptional cost." Products liable to Medicines Stamp Duty carried a double tax up to September 2, 1941, when, under the Pharmacy and Medicines Act, 1941, the stamp duty was cancelled. On November 13, 1947, in common with all other classes of goods chargeable at 163 per cent., the rate of tax on "medicines and drugs" was doubled and became 333 per cent.

Objects of the Tax

Purchase tax was introduced in 1940 for the dual purpose, according to the then Chancellor, of curtailing retail purchases and releasing plant and labour for essential war production. After the end of the war, attempts to secure the repeal of the tax in its entirety were rejected; its continuance was then considered necessary for reasons of national economy (i.e., to restrict purchases of non-essential goods). At no time has the tax been primarily advocated as a means of raising revenue; in fact, it is true to say that the smaller the amount collected by the Treasury the greater the success of the tax. It cannot be suggested that drugs and medicines are non-essentials. They are the proved and accepted means for preventing, alleviating and curing illness and disease, and are officially recognised and prescribed by the medical profession and supplied by the pharmacist for these pur-

At the time of its introduction, and throughout the years of operation of the tax, it has been an accepted principle that

all foodstuffs should be exempt from pur chase tax, and this rule has been strictly adhered to. It is submitted that drugs and medicines should be treated in the same manner as food and drink for human and animal consumption, and be exempted from liability to the tax. Medicines are prescribed and used as necessities, and they go far in restoring and maintaining the health of the nation. It is emphatically urged that drugs and medicines are as much entitled to exemption from this tax as foodstuffs. Any increase (by way of taxation) in the cost of drugs and medicines to the public must, in cases of hardship, incur delay in seeking early treatment or at best inflict extra expense on patients at a time when they can least afford it. Any cause which delays early treatment or places it beyond the immediate means of the sick is detrimental to the health of the people, a circumstance which, in these days of stress and strain, is bad and nationally uneconomic.

"Essential and Costly" Drugs

Under Section 20 of the Finance (No. 2) Act, 1940, provision is made for the exemption from tax of drugs and medicines be-cause of their "essential character and exceptional cost" (C. & D., February 7, p. 176). It is submitted that all drugs and medicines specified in the British Pharmacopæia and in other officially recognised works are of an "essential character." As to whether they are also "exceptionally costly" is, of course, a matter of opinion and circumstance. To tax admittedly essential drugs and medicines simply because they are considered by the Treasury not to be "exceptionally costly" is one of the outstanding oddities of this legislation. peculiar basis for exemption from tax penalises essential and commonly-used products solely because they are comparatively cheap. Rheumatism and influenza, for instance, are often not costly to treat with appropriate medicaments, but the very widespread use of such products, which is commensurate with the incidence of these common ailments, means that an inequitable tax is placed upon the community in a way which cannot be justified.

The present system of exemption bristles with anomalies, notwithstanding the fact that there are now two Statutory Orders (with a third Order proposed) giving exemption to a comparatively few products

deemed to be "essential and costly." The proposed new list of drugs to be exempted from tax is of the same hit-or-miss kind as ts two predecessors. Once the principle is adopted of according preferential treatment to a small selected group of drugs, the first step should obviously have been to estabish a standard of admission to the group. The term "exceptional cost and essential character" is not, of course, capable of preise definition, a fact made obvious by the For example, iodised oil, an x-ray paque medium, is now included, but iodoohthalein, iodoxyl and diodone, other ppaque media, are not. Nitrous oxide and oxygen are tax-free but carbon dioxide and ethylene are taxable. Malaria patients under reatment with Paludrine, pamaquin or mepacrine, escape the tax; those taking quinine have to pay the tax. And so on. On the subject of "exceptional cost" it is agreed that oxygen (an exempted product) is certainly "essential," but judged by this standard of "exceptional cost," some thousand the standard of "exceptional cost," so the standard of "exceptional cost," so the standard of "exceptional cost," and the standard cost, and the standard cost, and the standard cost, and the sta ands of other drugs and medicines should be immediately added to the list of exemptions from tax.

Financial Burden on the Trade

The collection of the tax has, since its inception, proved a heavy burden on pharmacy and the drug trade. It was stated by the Chancellor when the tax was introduced that no wholesaler would be asked to pay tax if he had not collected it at the time it was called for. This promise was not kept and the wholesaler has been called upon to make quarterly payment, not of what he had collected, but of the tax on the goods he had supplied; in some instances this has resulted in the drug trade wholesaler having to pay in one quarter thousands of pounds as tax more than half of which, at the time of payment, he had not received from his customers. Retailers are having to carry the burden of the tax until the goods are sold over the counter, which, in many cases, is some months after they have paid the tax to their suppliers. An undue and crippling proportion of trade finance, both wholesale and retail, is "frozen" in this way, earning no profit.

General Effect of Tax on Cost-of-living

The imposition of purchase tax on a wide range of consumer goods has had the harmful effect of creating generally a false sense of merchandise values and has, of necessity, played a leading part in the upward tendency in retail prices. It is estimated that the average rate of purchase tax levied on

the majority of the everyday purchases of goods (except foodstuffs) made by the average man and woman is at least 35 to 40 per cent. This addition to the normal prices of consumer goods has been a big factor in bringing about the present high, and still increasing, cost-of-living, which has been the main cause of industrial unrest and persistent demands for higher wages, the effect of which has been to create a dangerous spiral towards undue currency inflation. Drastic pruning of the scope of the tax by limiting it strictly to non-essentials would help to ease the economic problems of rising costs and the present danger of inflation. Drugs and medicines are "essential" products and should not be liable to purchase tax.

A PHARMACIST'S ANTHOLOGY

"I WILL give you an electuary to drive away the panic" [said Bottesham]; and he produced a small jar, and handed it to the porter. "It is composed of conserve of roses, gillyflowers, borage, candied citron, powder of lætificans Galeni, Roman zedoary, doronicum, and saffron. You must take about the quantity of a large nutmeg, morn and evening."

"You make me for ever your debtor, learned sir," rejoined Blaize, "What a charming mixture!"

"I will also add my remedy," said Furbisher, "It is a powder compounded of crabs' eyes, burnt hartshorn, the black tops of crabs' claws, the bone from a stag's heart, unicorn's horn, and salt of vipers. You must take one or two drams,—not more,—in a glass of hot posset-drink, when you go to bed, and swallow another draught of the same potion to wash it down.

"I will carefully observe your directions," replied Blaize, thankfully receiving the powder.

"Of all things," said Bottesham, claiming the porter's attention by tapping him on the head with his cane; "take care never to be without vinegar." It is the grand specific, not merely against the plague, but against all disorders. It is food and physic, meat and medicine, drink and julep, cordial and antidote. If you formerly took it as a sauce, now take it as a remedy. To the sound it is a preservative from sickness, to the sick a restorative.

... Vinegar is my remedy against the plague."—From "Old St. Paul's," by W. H. Ainsworth.

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Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of ther Chemists' Societies in the Empire.

VOL. CXLIX FEBRUARY 21, 1948 No. 3548

Purchase Tax—A Call to Action

THE Chancellor of the Exchequer (Sir stafford Cripps) has recently stated that he will shortly "be further considering the ax on medicines in a review of the purhase tax in connection with the forthcoming Budget." Organisations repreentative of pharmacy and the drug trade vill not miss this opportunity of once more ubmitting their views on the subject of the axation of medicines to the Chancellor, ind will, no doubt, emphasise the addiional hardship caused by the doubling of he rate of tax to $33\frac{1}{3}$ per cent. last November. The considered opinions and ubmissions of the various drug trade and pharmacy organisations will receive due onsideration in official quarters, but we believe the case for the lifting of purchase ax from drugs and medicines is more ikely to succeed if it is backed by public binion.

On p. 242 of this issue we publish "The case against the imposition of purchase tax on drugs and medicines." Based on the lacts of the case, which we have endeavoured to put forward impartially and in a concise form, we appeal to every manufacturer, wholesaler and retailer to write o his local Member of Parliament, drawing his or her attention to the nardship caused by the taxation of medicines as though they were luxuries instead of products essential for the maintenance of the health of the nation, and inviting support in the House of Commons for the appeal that has been made to the Chan-

cellor to put an end to this tax on sickness. Employees should also be invited to take similar action, and retailers might usefully ask their customers to make known to their parliamentary representatives their views on the taxation of medicines. Every proper means should be used to swell the volume of active public opinion on the subject. Reprints of the article on p. 242 are available and copies will be forwarded to subscribers on receipt of applications addressed to The Editor, stating the number required.

Not So Crazy

On reconsideration, the Council of the Pharmaceutical Society has voted to adopt the revised examination regulations put forward by its Education Committee (subject to minor alterations made necessary by the delay), but to hold over until "a date to be determined by the Council, of which due notice will be given," the introduction of a three-year course for the final (qualifying) examination.

Thus has been resolved a difference of view which led the president of the Society to call her fellow members of the Council "crazy" when they referred back the draft examination regulations from the December 1947 Council meeting. After studying the report of the debate (C. & D., February 14, p. 215), few will feel inclined to agree with Mrs. Irvine's epithet. arguments put forward on both sides on February 3 were skilfully presented, from sincerely held points of view, and the issues have now been clearly stated for all to read and understand. Enthusiasts for the new programme may chafe, perhaps, at the delay. Mr. Maplethorpe argued that pharmacy must keep pace with the educational advances that are being made in other professions, and he had no difficulty in persuading the Council to vote for his "very modest proposal" to include mathematics in the Intermediate examination, a proposal which Mr. Granville Shaw sought to nullify in the first (and defeated) part of an amendment which he put forward.

On the other hand, the Council acknowledged the force of Mr. Shaw's argument that the three-year final course could have no effect, or only a negligible effect, on the quality of the pharmaceutical service available when the National Health Service comes to be instituted on July 5, or for some years afterwards; and that it would be necessary to find a larger number of qualified men instead of placing hopes on a "few hand-picked graduates." The Council decided—and again, we think, rightly—not to risk reducing the number of qualified pharmacists available until more was known of (a) the effect of the new regulations upon entry into the profession, and (b) the full extent of the demands upon man-power made by the new Health Service.

In sum, members of Council have shouldered their "obligation to subject the regulations to the closest scrutiny"—to borrow a phrase from the mover of the amendment. Both sides have cause to be congratulated —Mr. Shaw for getting the matter thoroughly discussed in open Council and preventing precipitate and unquestioning acceptance of "revolutionary" proposals, and Mr. Maplethorpe for the prestige he gains from his successful "tenacity in the face of opposition," and the authority the scheme he has championed acquires from the Council's February vote in its favour.

A Fit Subject for Research

THE letter which Mr. Harold Dodd, F.R.C.S., addressed to the Council of the Pharmaceutical Society (see C. & D., February 14, p. 218), in which he made certain recommendations about ampoules, particularly those containing anæsthetics, raises more than one issue. If it is the case that such ampoules frequently (or even occasionally) reach the operating theatre minus their labels, then the matter is one for the manufacturers rather than the Pharmaceutical Society, though we feel sure that the importance of indelible markings only needs to be pointed out to them to secure any action that may be necessary or possible.

User's Responsibility

Nothing, not even the tinting of contents, relieves the user of the ampoules, whether he be surgeon or anæsthetist, from his responsibility of satisfying himself, to the utmost of his ability, that what he administers is what he intends to administer. But if, from the patient's point of view, there

is any additional safeguard that can applied, especially if it is a mechanical sa guard, then it should be given the very car ful consideration of all concerned. If the should arise, as a result, a demand for a poules whose contents are tinted accordi to their character, then manufacturers mu do their best to comply, even if some of t responsibility appears to be shifted fro operating theatre to factory. No manufa turer, however, should be required to be the cost of the very considerable amou of research that will be needed to establi a code of colours that is satisfactory fro every aspect. First, there will have to 1 the greatest contrast of colour between tl solutions most likely to be confused wit one another (a degree of contrast not pr vided, unfortunately, in the code of colou for medical gas cylinders). Secondly, th colours will have to be chemically con patible with the contents. Thirdly, the must give rise to no untoward effects in th patient. And finally, they will have to b standardised and classified so that they wi be uniform no matter who is the manufact turer of the ampoules. Each of thes points is eminently a subject for the type researches Mr. A. G. Fishburn had in min when, at an evening meeting of the Phai maceutical Society recently, he urged re search workers in pharmacy to devot themselves to purely pharmaceutical re searches. They reinforce, also, his argu ments in favour of a Pharmaceutical Research Council.

Voluntary Limitation of Advertising

When, following the Autumn Budget or 1947, the Chancellor of the Excheque withdrew proposals amounting in effect to a tax on advertising, it was on the under standing that the Federation of British Industries would take the lead in setting up a working committee to plan the same endsusing voluntary means. The working committee, representing advertisers, agents and "media owners" (i.e., the Press, plus outdoor and other publicity contractors) has completed its work, which is regarded by the Chancellor of the Exchequer as a workmanlike plan. He agrees to give it a year's trial and has announced that he will be

tisfied if there is general and comprehen-

ve compliance with its terms.

The Committee has assumed that its plan ust leave the advertiser complete freedom choice of media, must deal primarily ith essentials, and must take into account e rising costs of advertising. Under the an, advertisers spending over £2,500 arly on "designated goods" are to make reduction at the rate of 15 per cent, in penditure, provided that such reduction per not bring their expenditure below 2,500, while advertisers spending less

than that amount undertake not to exceed that sum. The "designated goods" cover rationed consumer goods, fuels, alcoholic drinks, tobaccos, and goods subject to purchase tax of 663 per cent. or over. Medicinal preparations are therefore outside the scope of the limitation. Export advertising is also excluded. All advertisers are being asked to endorse the plan in fact and in spirit, and a standing advisory committee has been appointed to advise on and give general oversight to its working. Details may be obtained from the F.B.I.

CHEMISTS FEDERATION

MEETING of the Chemists Federation ouncil was held on February 5, the esident in the chair. The follow-g were elected or appointed to the ouncil for two years ending January 31, 50: — Manufacturers' representatives: he British Drug Houses, Ltd., Crookes aboratories, Ltd., Genatosan, Ltd., and estminster Laboratories, Ltd.; Wholelers' representatives: (section A): Sangers, d.; (section B): Gale Baiss & Co., Ltd.; ctailers' representatives: Messrs. J. Hearle Heseltine, and E. A. Brocklehurst (appinted by the National Pharmaceutical nion), and Mr. J. Acheson (appointed by e Ulster Chemists' Association). The folwing officers were elected for the year ding January 31, 1949:—President, Mr. C. Feather; Vice-president, Mr. P. H. nith; Treasurer, Mr. L. Boon.

mmittees for 1948

The following committees were elected r the year:—Standards Committee: essrs. R. C. Feather, E. W. Godding, J. Carle, T. Heseltine, C. H. Jones. W. W. Mott, S. M. Lennox, G. A. Mallinson, J. Stearn, and W. J. Tristram, with Mr. H. Smith ex officio. Propaganda Comittee: Dr. S. Brook and Messrs. L. Boon, A. Brocklehurst, A. Chapman, N. Dewey, T. Elder, W. A. Kinnear, G. A. Mallinn, L. Smith, and P. H. Smith, with Mr. C. Feather ex officio. Messrs. W. T. der (retailers' representative for Scotnd) and J. Acheson (retailers' representate for Northern Ireland) were elected exficio members of both committees. Fince and Establishment Committee: The esident, vice-president and treasurer, th Dr. S. Brook and Messrs. J. Hearle d. G. A. Mallinson. Mr. C. J. Hall vans Medical Supplies, Ltd.) was ap-

pointed C.F. Manufacturers' Representative to Northern Ireland C.F. Committee, to serve for a further period of two years.

Reports were received of meetings of the Propaganda and Standards Committees which had been held the previous day. Of six applications for manufacturer membership, three were deferred for further discussion on claims made for several of the products offered, and the following were accepted: Boon Doral, Ltd., Calder Street, Manchester, 2 (Boon skin emulsion, pine essence and germicidal antiseptic, and Doral medicated shampoo); College Labo-ratories, Ltd., The Tower, Warmley, nr. Bristol (distributing agents, Finley-Kale, Ltd., Balham) (Wendy cough syrup, creme de lanolin, gripe mixture and zinc and castor oil cream, Surease and Germatol); Philip Harris, Ltd., 144 Edmund Street, Birmingham (Pernione ointment, Jecorol ointment, tab. phenolphthalein, co., iodoephredrine compound, and cherry glycerophos).

Additions to Schedules

The following applications for additions to schedules of existing C.F. agreements were approved:—Kaylene, Ltd. (Analjol), Wigglesworth, Ltd. (Gould's antiseptic baby cream), C. J. Hewlett & Son, Ltd. (Formalgar, Hewlix vitamin elixir, Hewsol, Hewvite polyvitamin capsules, Mispep, Petrolatine emulsion, Petrolatine emulsion with Laxans, Somniferum tablets, Stilbagen, Stilbagen brand tablets, and Tussirube). The Council received and approved a memorandum for submission to the Chancellor of the Exchequer dealing with purchase tax on C.F. products. The action was the result of a decision taken at the twelfth annual meeting of C.F. manufacturers on January 29.

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PILOT CENSUS OF DISTRIBUTION

A commentary on the questionnaire which traders in selected areas are being requested by the Board of Trade to complete

By Harold Lomax, M.P.S.

FEW weeks ago I received from the Census of Distribution Office a letter A Census of Distribution Office a letter informing me that Parliament had recently passed the Statistics of Trade Act which provides for a periodical census of distribution. My immediate remark was, "Wot! Another Act!" Only that morning I had read in my newspaper that the Government had already been responsible for passing or planning some 23,000 enactments, orders and directions, about 1,000 of them affecting chemists, with the indignity of a summons or reprimand for contravention.

"Strictly Confidential"

The aim of the Pilot Census, said the letter, was to obtain experience in the problem of taking a census so that everything would be in apple-pie order when the full Census of Product on came to be taken in 1949. As my business was in one of the areas selected for the Pilot Census I was asked to help by filling in on an attached form information about my business during 1947. It was reassuring to read that all information would be treated as strictly confidential, and used only for arriving at totals needed for the Census; individual returns would not be used for such things as income tax, price control, rationing or allocation of supplies. But why should a census be needed at all? Surely the Government already has all the required information on our income tax forms. Is nationalisation in the air?

The questions are direct and unequivocal. The first deals with the year covered by the return (either the calendar year 1947 or the trader's last financial year ending before April 1, 1948). Description of the business entails answering six quesabout ownership, trading name, existence of branches, etc. The form then inquires whether or not the business was formed before 1919 (the ending of the first World War) and its usual description (e.g. chemist and druggist). Next comes a list of ten "types of operation" (retail shop, street trader, automatic slot machine trader, etc.) against one of which a cross must be put. A subsidiary question. "Do you accept other companies' checks?" is not a misprint, apparently, but applies to provident club checks used in the drapery

trade. Section 6, "Total Takings," with three questions and three subsidiary ques tions, will cause chemists some misgiving Under the heading "Employment and its Wages" information is asked for abou working proprietors, and members of the proprietor's family, friends, or relations who work without fixed payment, and full o part-time paid employees (classified by se: and age). A special question inquires how many persons connected with the busines are engaged on production or repair work After wading through all those questions ? came to the conclusion that such informa tion could be wanted only for one purpose; the nationalisation of the distributive and retail trades. Section 8, "Vehicles," ask the number of mechanically-propelled vehicles, horse-drawn vehicles, or bicycles and hand-carts used for delivering or collecting goods in week ended June 21, 1947 -(a reminder of August 1914 when the Government of the day requisitioned all horses and vehicles). Why the particular week was chosen is not made clear; what trader keeps a weekly record of vehicular transport? The Director of Statistics no doubt enjoys this "leg-pull" for he invites the trader to select an alternative week if more convenient. With all the precise and precious information given in Section 8, the Ministry of Transport will be able to arrange in advance all the necessary transport to deliver our goods when the Ministry of Distribution takes us over.

" Sting in the Tail"

Next comes a series of questions about the annual value of the premises and the total covered floor space used in the business. Section 11, "Commodities Sold," asks for the approximate value of goods sold in each of thirty-four groups. There are several helpful notes, e.g., razor blades should be included under "Drugs, etc. and toilet preparations and requisites"; children's wear should be included under "Women's and girls' wear and other drapery goods, including umbrellas." If he cannot classify his sales, the trader is asked to state in order of importance the three groups which account for the largest share of his turnover. I wrote (1) retail trade of chemist and druggist: (2) dispensing private and National Health Insurance

escriptions; (3) sale of photographic od; including developing and printing, answered the next section, "Services ovided," in the same way. That is the d of the main questionnaire; but there low three more questions and, like the prion, the sting is in the tail. For this al section "the Board of Trade hope at you will co-operate by answering as my as you can of the questions even if u have to go to some trouble to do so." e questions ask for total value of purases during the year, the total cost values

of stocks at the beginning and end of the year, and the total amount of customers' outstanding accounts at each end of the year.

After carefully considering the questions asked, I cannot escape from the conclusion that nationalisation is in the offing. The Pilot Census is a kite flying in the sky to see which way the wind is blowing. No wonder the traders in many towns have refused en masse to fill in the forms. They feel they are in the tumbril being driven to their own extinction.

OFFICIAL COMMENT ON CENSUS CRITICISM

"Nationalisation not the purpose"

HE fears and criticisms expressed by the thor of the article above were referred to infficial of the Statistics Division of the ard of Trade, who made the following mments:—

Repeated assurances have been given in sponsible quarters that nationalisation is t included in the purposes for which the usus of Distribution is being taken. In edebate on the second reading of the atistics of Trade Act, the President of the lard of Trade said "This is not some deep d dark plan for the nationalisation of the tail trade. . . . We have no intention of tionalising the retail trade." More rently, in a speech at Cardiff, the President id:—

I am told that many traders are worried about he possibility of some extreme forms of in ererence with their trades as soon as the Government have in their hands the resu'ts if not of the Pilot Census at any rate of the full census. The first thing I have to say is that the results of the full census are not l'kely to be available luring the lifet me of the present Government and that the Pilot Census can in any case provide insufficient material for such a step; the second is that the policy on which we went to the country for a mandate in 1945 did not include fundamental alterntions of the present structure of ditribution; the third is that my experence so far, as President of the Board of Trade, does not lead me to think that fundamental atterations such as wou'd directly threaten the livelihood of small traders, are either necessary or practicable. I am not, of course, going to pro-mise that d's'r'bution will necessar ly be left untouched in all the economic storms through which we are passing. And if it does need to be made more efficient, then you can take it for granted that that will be done whether there is a census or not, but for heaven's sake let us have certain established facts and figures concerning the trades concerned for both sids to argue about instead of basing our actions on suspicions and supposiCertain of the information asked for in Census of Distribution forms is already supplied to the Inland Revenue authorities in the returns made for income tax. However, the Inland Revenue is expressly precluded by statute from disclosing information relating to individual cases derived from returns rendered for income tax purposes. It is surely preferable that traders should feel assured of the sacrosanctity of their income tax returns, even at the cost of being asked to provide the same information to more than one Government department.

"The Best Compromise"

The request for certain information about week ended June 21, 1947. was primarily made to avoid asking for detailed information over the whole period of the The week was chosen for no sinister purpose but simply as representing the best compromise between various conflicting considerations; for example, to obtain a representative week it is necessary to avoid clashing with such times as Easter and Whitsun, with the peak of the seaside holiday period, and with such things as Wakes weeks in Lancashire. To have chosen a week early in the year, normally their stocktaking period, would probably have put traders to extra inconvenience. Advertisements were inserted in the local and trade Press in May and June 1947 to draw the attention of all traders to the particulars that were required about the specified week, so that they could keep the necessary records and complete this part of the form without difficulty. The alternative offered is intended solely for the benefit of those who may have missed the advertisement or who failed to make a note of the necessary information.

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MAPLETHORPE EDUCATIONAL MR. ON POLICE

A MEETING of the East Metropolitan Branch of the Pharmaceutical Society and of the Walthamstow and District Pharmaceutical Association held on February 4 was addressed by Mr. C. W. Maplethorpe (chairman of the Education Committee of the Society's Council). Mr. G. F. Deeth (president of the Walthamstow Association) took the chair.

Historical Background

Mr. Maplethorpe pointed out that the last important change in the Society's examinations had taken place as long ago as 1919-20. Before then candidates for the Chemist and Druggist examination had taken the whole examination at one time; failure in any subject had meant taking them all again. Pharmacy had not been included in the Pharmaceutical Chemist examination, and the pharmaceutical chemist of those days had no claim to be considered a better pharmacist than the chemist and druggist. The Chemist and Druggist examination had then been divided into two, and candidates could be referred if necessary in individual subjects.

The Council now proposed that in future the Society should hold only the Pharmaceutical Chemist examination, and all present chemists and druggists would be placed on the register of pharmaceutical chemists. "Pharmaceutical chemist" was a more defellowship in pharmacy would be instituted, to which all existing Ph.C.s would be admitted, and fellowship would be offered to future Ph.C.s of high academical and professional renown. In 1941 a committee of inquiry had advised that a twoyear post-intermediate course was necessary adequately to equip a pharmacist. Mr. Maplethorpe was certain that the subjects could be taught, that the schools could find the accommodation, and that there would be no undue difficulty in providing the facilities. Eventually there would be a three-year post-intermediate course, but the speaker agreed the time was not yet ripe for such a change. There were to be slight modifications in the date of the proposed changes, but from January 1, 1949, the minimum requirements would be (1) a matriculation or its equivalent; (2) an intermediate examination of four subjects (chemistry, physics, biology and mathematics); and (3) a two-year course for the Pharmaceutical Chemist examination. A candidate would have to undertake at least one year's practical training under a ph macist before registration. It had be found that students' standards in mat matics were very low. As higher mat matics was essential, particularly for study of physical chemistry, it had be deemed advisable to include the subject

the intermediate stage.

In reply to Mr. A: Macintosh, N Maplethorpe said it was difficult to in grate the English and Scottish examir tion systems. The Scottish Higher Scho examination was of a standard about ha rotice way between the English matriculation a Higher School, and would not give exem thad tion from the new intermediate examir tion. Mr. H. Moffett was afraid t newly qualified pharmacist of the futu would be as raw and inexperienced as the typical newly qualified doctor. Mr. Mapi da THORPE suggested the ideal plan was two-year apprenticeship before the fin two years at college. Mr. D. Lenahan w concerned that the lack of revision course halo would prevent the present-day pharmacian, from bringing his knowledge to the star 119 dard of the future, and MR. J. H. ADAM Miss asked for the Society to provide a post revision course. Mr. Maplethorpe agree such facilities were needed and mentione and courses at present available at Chelse plice Polytechnic. The Council was considering gran the provision of lectures similar to those held at Bloomsbury Square in the session M 1944-45.

Discussion at Liverpool

Mr. Maplethorpe also spoke on the sine Society's education policy at a meeting of the the Liverpool Chemists' Association of the February 11. After explaining the nev als proposals, he went on to say it had been that argued that the highly trained pharmacis would not wish to carry out routine work But was it not true, he asked, that there water was a large class of unqualified assistant who carried out the routine work today? at Conditions could be visualised where is the might be necessary to set up a specia qualification for pharmaceutical techni cians or pharmaceutical assistants, who would enter pharmacy by a different route and who would not be able to become pharmaceutical chemists without going back to the beginning. They would perform a useful function and would have some degree of recognition, but they would never rank as pharmacists within the meaning of the various Acts of Parliament.

PHARMACEUTICAL SOCIETY OF IRELAND

Be February meeting of the Council of Pharmaceutical Society of Ireland was doin Dublin on February 10, Mr. P. A. ady (president) in the chair. Also prest were Messrs. T. C. Scott, J. Gleeson, Brooke-Kelly, H. P. Corrigan, G. C. Neill, T. B. O'Sullivan, C. J. Cremen, P. Kissane, B. C. Sullivan, F. Loughn, P. C. Cahill, F. X. Meagher, J. A. Rourke, and J. K. Whelehan.

ty Years on Register

Mr. Brady said it had been brought to notice that on February 6 Mr. John lith had achieved a record by having n on the register of the Society for ty years. Mr. Smith, who had qualified 1888, had been vice-president of the ciety in 1905-06, and president, 1907-10. had also acted as treasurer and as an aminer to the Society. One of the inders of the Dublin and Provincial Drug sociation and a pioneer in the work of Photographic Dealers' Association in land, Mr. Jones had also acted until as e as 1932 as the Irish representative on British Pharmacopæia Commission. On motion of the President, it was animously agreed to send the Council's ngratulations to Mr. Smith.

Applications for preliminary registrations regranted to Mr. G. B. Murphy and Miss resa N. Landers, and an application m Mr. Patrick J. Murray requesting istration as a pharmaceutical chemist

s granted.

aminers' Report

The examiners' report on the January ence examination showed that forty candates had presented themselves; two adidates with Army service had taken in first half under the modified regulans. Both Army candidates had passed materia medica, botany and chemistry, urteen of the forty candidates (eleven an and three women) had passed, one the honours. Two candidates had obtained eassistants' qualification. For the assistants' examination, thirty-five candidates dentered and nineteen (eleven men and the women) passed.

The following changes of address were tified: Daniel Harrington, M.P.S.I., to Palace Anne Villas, South Douglas Road, rk; C. G. B. Higgins, M.P.S.I., to The bey Pharmacy, Teeling Street, Sligo; ichael F. Kennedy, M.P.S.I., to Market

Street, Cootehill, co. Cavan; Michael Tobin, M.P.S.I., to Galbally, co. Limerick; P. Slattery, M.P.S.I., to 54 Upper O'Connell Street, Dublin; and Kieran Flynn, L.P.S.I., to 62 Fitzroy Avenue, Drumcondra, Dublin.

The licence certificate of John J. V. Lavin was signed and sealed. The following were elected members of the Society: Messrs. A. J. Boyle, E. J. Fallon and J. J. E. O'Brien, Miss W. Rhatigan, and Mrs. Margaret Ward. The following were nominated for membership: Messrs. William A. Adams, Tullamore, Offaly; James M. MacHale, Sligo; Laurence O'Dea, Tullamore, Offaly; Michael Tobin, Galbally, co. Limerick; Matthew J. White, Dun Laoghaire; John Smeaton Bennet, L.R.C., P.I., L.R.C.S.I., Cahirciveen, co. Kerry; and Edward J. Cassidy, Swinford.

IRISH DRUG ASSOCIATION

Mr. M. Costello (president) was in the chair at a meeting of the Committee of the Irish Drug Association held in Dublin on February 2, at which it was decided to oppose a proposal by the Department of Industry and Commerce that all toilet brushes should be marked with the retail prices on the ground that it would curtail the activities of the Association and members' freedom. The report was received of a joint meeting with the wholesale section, which it has been definitely decided to form into a separate body (see C. & D., February 7, p. 190, and this issue, p. 235) under the title Wholesale Drug Federation of Ireland, with membership restricted to firms approved by the I.D.A., and it was agreed to form a joint committee with the Federation to hold monthly discussions on matters of common interest. Among functions of the committee will be management of the approved lists; control of leakages; advertising and propaganda. The committee is to consist of four representatives from each organisation, with the president of the I.D.A. as chairman and with Messrs. R. A. Kidney and B. R. Smith as secretaries. The following new members were admitted to the Association: Miss E. Young, M.P.S.I., Passage West, co. Cork; and Messrs. Seamus V. Byrne, Ph.C., Ferns, co. Wexford; S. Campbell, Ph.C., Dublin; H. McEver, Ph.C., Cork; M. Tabin, Calbelly, and James R. Tobin, Galbally, co. Limerick; and James McHale, Ph.C., Enniscrone, co. Sligo.

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GUIDE TO NEW MEDICAMENTS

Information—in a form convenient for mounting on record cards for permanent condex systems— about new proprietary medicaments supplied principally of a prescription. Their mention in these columns does not imply Editorial recommendat. A limited number of reprints will be made available to subscribers on application.

CRYSTODIGIN

MANUFACTURER: Eli Lilly & Co., Ltd., Basingstoke, Hants.

Description: Compressed tablets containing 0.1 mgm. or 0.2 mgm. of crystal digitoxin.

Indications: Congestive heart failure, and auricular fibrillation and flutter. Dosage: Rapid digitalisation 1.2 mgm.; maintenance dose 0.2 mgm. daily.

How Supplied: Bottles of thirty, 100 and 500 tablets.

DEPROPANEX

MANUFACTURER: Sharp & Dohme, Ltd., Hoddesdon, Herts.

Description: A saline solution of a chemically derived, protein-free, nitrogenous fract obtained from mammalian pancreas, and free from histamine, insulin and acceptable.

Indications: Intermittent claudication, renal and ureteral colic, ureteral stricture, a dysmenorrhæa.

Dosage: In chronic vascular disease, 2 to 3 mils; in ureteral colic, 3 to 5 mils by int muscular injection.

How Supplied: In 10-mil rubber-capped vials.

DHE 45

MANUFACTURER: Sandoz Products, Ltd., 134 Wigmore Street, London, W.1.

DESCRIPTION: Dihydroergotamine methane sulphonate, in solution (0.2 per cent.), for or administration, or in ampoules.

Indications: Migraine, herpes zoster, certain peripheral circulatory disorders, trophulcer, cardiospasm, etc.

Dosage: General:—Parenterally: 0.5 to 1 mil by injection. Orally: 10 to 25 drops oral solution one to three times daily. In migraine: 0.5 to 1 mil injected as ear as possible in the attack. Orally: 20 drops repeated if necessary. In herpes zoster 0.5 to 1 mil daily for a maximum of six consecutive days. In peptic or duoden ulcer: 0.5 to 1 mil daily by injection, or 20 drops oral solution three times a day.

How Supplied: Oral solution in bottles of 15 mils; and boxes of six 1-mil ampoules, each containing 1 mgm.

EMBEQUIN

Manufacturer: May & Baker, Ltd., Dagenham, Essex.

Description and Formula: Tablets containing 0.21 gm. 5,7-diiodo-8-hydroxyquinoling Indications: Amœbiasis at all stages, also suggested for treatment of Trichomono hominis (intestinalis).

Dosage: 7 to 10 tablets daily for 15 to 20 days, repeated as necessary after a rest perio of seven days between each course. Asymptomatic carriers 6 to 9 tablets daily, bu symptomatic carriers 9 to 10 tablets usually.

How Supplied: Containers of 20 and 500 tablets.

Notes: The preparation may be given to carriers in conjunction with emetine and othe amœbicidal drugs. The manufacturer states that the name of the active ingredient i frequently abbreviated to diiodohydroxyquinoline.

MEDICAL ABSTRACTS

fridione in Petit Mal. — An investigan of the use of Tridione (3, 5, 5-trithyl-oxazolidine-2, 4-dione) in the treatnt of petit mal is described by Butter pritish Medical Journal," January 3, p.

ritish Medical Journal," January 3, p. . The optimum daily amount for the rage case appeared to be four 0.3-gm. sules in divided doses. Of twenty-three ients treated, four became entirely free n attacks, and another fourteen showed provement. Almost all the patients eloped toxic signs and symptoms.

Vitamin K for Chilblains.—The treatnt with synthetic vitamin K (acetomenthone) of eight cases of chilblains rangfrom mild to severe and ulcerated, is cribed by Wheatley ("British Medical rnal," 1947.II.689). An average dose 20 mgm. twice daily was given. ramuscular injections were considered berior to oral but caused considerable n and were abandoned for oral adminition. In four cases signs and sympos were completely alleviated; in the nainder there was an improvement.

Convulsive Properties of Thiopentone. Convulsant effects immediately follow-the anæsthetic use of thiopentone are orded by Wynne ("British Medical arnal," January 10, p. 48). Most commare pronatory movements of the arm, ogressing sometimes to strong shuddering wements and even to clonic spasm of the arm uscles. Their onset is favoured by sence of premedication, by the use of opentone uncombined, and by repeated of the drug. They are easily preventor ablated by papaveretum-scopolamine medication and by the early addition of soxygen anæsthesia.

Intravenous Diphenhydramine.—Among 7 patients treated with diphenhydramine drochloride (Benadryl hydrochloride) by umenthal and Rosenberg ("Journal of e American Medical Association," 1947. .20), sixteen received the drug by travenous injection, 20 to 50 mgm, in to 100 mils of saline being given by invenous drip in approximately ten inutes. The relief of the pruritis in ticaria and contact dermatitis usually curred before the injection had finished. he method, the authors suggest, deserves rther study. Drowsiness, the most comon side effect noted in all of the patients eated with the drug, was usually combated ccessfully with 2.5 to 5 mgm. of racemic nphetamine.

Future of Streptomycin.—Waksman, reviewing work already done on antibiotics against tuberculosis, states ("Journal of the American Medical Association," 1947.II. 478) that among the most significant problems in the use of streptomycin are the development of resistance to the drug by the tubercule organism, and the drug's ineffectiveness against certain forms of tuberculosis. The suggestion of utilising a possible synergistic effect of Promin (sodium p, p'-diaminodiphenylsulphone-N, N'-didextose sulphonate) and streptomycin showed promise. The use of streptomycin with certain sulphones in the treatment of infected guinea pigs produced a greater therapeutic effect than the sum of the effects of the individual components of the mixture.

Streptomycin in T.B. Sinuses.—Eleven of twelve patients with draining tuberculous sinuses, who were treated with strepto-mycin by Brock, Chicago ("Journal of the American Medical Association," 1947.II. 147), showed "outstanding signs of improvement." 1.8 gm, of streptomycin was given daily in four-hourly doses, one-half the total of patients being treated for ninety days and the other half for 150 days. Certain toxic reactions were observed regularly, headache and dizziness being the most common, while a few patients had ataxia. Four patients showed an eosinphilia of over 5 per cent. Tuberculous sinuses of several years' duration, originating in the bone, or ischiorectal region, or following laparotomy for appendicitis, closed within a week to ten davs.

Control of Epilepsy.—Further studies, on sixty-seven patients and extending over three years, on the use of 3-methyl-5.5phenylethyl hydantoin in epilepsy, have been carried out by Losalzo ("Journal of the American Medical Association," 1947. II.469). The results showed that, in the majority of the cases, grand mal seizures were reduced by 60 per cent. and improved emotional status was consistently noted, but petit mal and psychomotor were not improved. Phenobarbitone in small doses increased the anticonvulsant action of the drug, the toxicity of which was described as "extremely low," only one of the patients treated being unable to take the drug because of a rash. The compound could be given with safety during pregnancy and no incompatibilities with other drugs had been revealed.

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BUSINESS QUERIES AND ANSWERS

Subscribers are invited to address inquiries to the Editor on problems of management accounts, stock-keeping, taxation. To ensure that no information of a confiden a nature is disclosed to a competitor, replies will be given under initials or a pseudon;

Secret Reserves

"I understand that the Government is considering the advisability of taxing secret reserves.. Would you explain what is meant by a 'secret reserve'?"-P.A.N.

Some firms possess ample reserves which are not disclosed in their final accounts. For example, the actual value of land and buildings may be much higher than the figures shown in the books, and such assets as patents, goodwill, trademarks, etc., may appear on the balance sheet at purely nominal values. Excessive provision may have been made in the past for anticipated liabilities, or the cost of improvements of a capital nature may have been charged against profits—these are forms of secret or hidden reserves.

Ordering and Stock-keeping

"I have recently taken over the management of a pharmacy (takings £300 weekly) and would appreciate advice on a sound system of ordering and of keeping stock, say, over periods of three months. What books would it be necessary to keep for record purposes?"—Ex-Serviceman.

If essential supplies are obtained from local sources it is usually found convenient to pin together or otherwise attach all the invoices and debiting documents received from the same supplier. When the statement of account comes to hand, the details can then be readily checked and ticked off, and at the end of each month a complete list of the outstanding balances can be made out. The total amount owing to suppliers, as per list, may be recorded on the righthand or credit side of a "Sundry Creditors' Account," and when payment is made in respect of any of these items, whether in settlement or part settlement, the amount of the payment should be recorded in the cash book in the usual way and posted direct to the left-hand or debit side of the account. The balance of the "Sundry Creditors' Account" will then correspond with the total of unpaid bills on the file.

It should never be forgotten that a large turnover will absorb less capital, relatively speaking, than will a small turnover. Stocks should never be allowed to dwindle below the minimum which experience has proved advisable to maintain; when the number,

weight or quantity under any head threatens to reach that minimum, it is excellent practice to make a note of fact in a special book kept for this purpo This stock order book should be provided by the kind of yet kind the provided by the book should be book should be provided by the book should be provided with separate columns or sections for insertion of such details as the date; a d not trus cription of the stock required; the quant and an to be ordered; and for any special obser sional tions or remarks, and if a separate sectional and is considered necessary for office use, the pr section should include columns for record appoints out; the name and address of the suppl or purchasing agent and the date on whi the stock actually arrived at the pharmac that

Each order form should be signed, as mion. it should be made clear to suppliers the any departure from the details as specifi will be at their own risk. In some instanc it may be advisable to specify the late date for delivery, or the terms of payme and conditions of business.

Invoices received from suppliers a usually stamped by means of a rubb stamp or other suitable impression, and b fore making any entry in the purchas journal, or bought day book, the detail should be carefully checked and the corre amount of trade discount deducted. using a pattern of purchases book which ha been provided by the printers with a suff cient number of money columns, the stoc can be grouped under suitable heading and it is a good practice to verify th accuracy of the stocks at monthly intervals

Directors' Salaries

"Arising out of a recent query, would may it be better to increase each director me salary pro rata, so that there would be les the dividend to tax? "-Director.

From an income tax standpoint it migh be in the best interest of the directors to raise their respective salaries and thereby reduce the company's taxable profit. But att if each director is already receiving earned income of £1,500 he would already be entitled to the maximum earned income allowance of £250 for 1947-48, or onesixth of £1,500, and there would be no point in raising the salaries. For income tax purposes salaries paid to directors are, of course, allowed as a charge in computing a company's taxable profit.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real names and address to the Editor.

Preparedness for N.H.S.

SIR,—The attitude towards being pre-red for the National Health Service exssed in Mr. W. Varley's reply (p. 222) my letter (p. 158) is typical of that lich shocks me. Admittedly pharmacists not yet know what the rates of payment I be under the Service, but why should y not trust their negotiators, who, "like tors," are "business men as well as fessional men "? For private chemists to back and "wait and see" while certain ltiples prepare for the opportunities of appointed day is, in my opinion, in-culably stupid. I am not a locum, as r correspondent suggests, but neither I one of the first who would suffer ough a false start by the majority of our ofession. OBSERVER.

SIR,—While I fully sympathise with essrs. E. B. Dunn and W. Varley (see & D., February 14, 1948) in their retance to improve their premises without ng sure that the expense is justified by rates of remuneration under the tional Health Service, it seems to me at they have missed part of the point of server's letter to which they were reing. To my mind the operative words re "opportunity to prove they [phar-cists] can more than hold their own." thout some amount of preparation, not essarily structural and not necessarily olving expenditure, chemists are liable be swamped after July 5 with more escriptions than they can cope with. If the patient and the Service will suffer, rtainly, but hardly more than the chemist, o may suddenly discover that life has come intolerable. The net result, without ubt, will be to justify the idea in the nds of the authorities that other methods meeting patients' demands may be called

CARPE DIEM.

cottish and English Pharmacy

Sir,—I do not share Mr. Tristram's opnism (see C. & D., February 7, p. 188) or his complacency regarding pharma-utical representation under N.H.S. We, Scotland, have had a much larger share private dispensing than our English lleagues, and stock mixtures have been e exception. Unless we get better terms

than those south of the border our betterment (alleged) will be proportionately lower. English speakers at Scottish meetings have answered questions on this matter by stating that it is hoped "to bring England up to Scotland's level, rather than bring Scotland down to England's level."
As these speakers were English members of Council it is not difficult to visualise their attitude towards autonomy for Scotland. Without autonomy, which under Mr. Bevan is unlikely, I predict a speedy comedown to a national formulary and stock mixtures, etc. I used to think that Scottish Nationalists were a sort of "crazy Today I am not so sure that they haven't "got something." If someone were to raise the Scottish flag pharmaceutical, and demand a breakaway from Bloomsbury control, I think our Council would get a shock.

Yours faithfully, R. S. WHITELAW. Anstruther.

Illegible Prescriptions

SIR,—So far as I understand Xrayser's complacent comments on doctors' bad handwriting [C. & D., January 31, D. 137], they appear to mean "Don't let us insist on good writing in a prescription or we may sacrifice a clue to the doctor's character." Admitting that it is important for pharmacists to study the character of the medical practitioners with whom they come in contact, there are other and better opportunities of doing so than by resorting to graphology. They have the advantage, moreover, that they do not jeopardise the patient's welfare in the process. Obviously it is desirable that prescribers should be men of character, but is it even a scientific truth that strong character is reflected in bad handwriting? Surely it is one of those prejudices that linger because they have never been (and perhaps cannot be) put to objective test under suitable controls. Taken to its logical conclusion, the proposition would stigmatise as devoid of character those persons-including, probably, even medical men-who have largely abandoned the fountain pen for the typewriter. They may be a poor lot, but let us have more of them-they would save pharmacists not a few grey hairs.
Yours faithfully,

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TRADE REPORT

Spot quotations for pharmaceut cal chemicals represent the prices for wholesale quant ties of standard quality. Prices of crude drugs and essential oils vary as to brand or grad

28 Essex St., W.C.2, February 18

Business during the past week has continued on a routine level, with no major developments. Prices on the whole are maintained with only small fluctuations either way in a limited number of commodities. In the FINE and PHARMACEUTICAL CHEMICALS markets, Bromides are in rather better supply, and demand continues CREAM OF TARTAR, in fairly good is moving at former rates. The supply, is moving at former rates. anticipated rise in prices of CAFFEINE and THEOBROMINE, following the large advance in the cost of cocoa, has not yet materialised. Lower prices are noted for ICHTHAMMOL, B.P. Finest-quality material is offered at 3s. 6d. per lb. in 200-kilo drums.

Crude Drugs

The markets for CRUDE DRUGS, with few exceptions, continue steady, with those commodities which originate in hardcurrency countries attracting little interest in the absence of export business. Several parcels of AGAR are now landing and demand is good with business done in Kobé No. 1 at 18s. 6d. There are offers from Hongkong of lower-quality material. Curação Aloes has eased on the spot with a weaker market forward. Chinese CAM-PHOR is showing an easier tendency. Cassia Pods have been reduced in price. Colo-CYNTH and CASCARILLA are also easier, but holders of Cochineal, stocks of which are comparatively small on the spot, are firmer in their ideas of price. There has been some inquiry for GAMEGGE but little head-way has been made in the disposal of stocks. After an easier period, the market for Gum acacia has begun to strengthen again; arrivals on the market are not now as numerous or as large as in recent weeks. Prices of IPECACUANHA are unchanged. MENTHOL continues easy; in some quarters Brazilian material has been offered at as low as 43s, per lb., duty paid, and March-April shipment at 37s. 6d., c.i.f., prices which are much below most holders' ideas of value. Inquiry for Chinese Menthol, for the export trade, persists and small quantities are realising high prices. Holders of Myrrh are prepared to take slightly lower prices. Spot quotations for Shellac are unchanged on the week. A parcel of STROPHANTHUS to come forward is offered at 12s, 6d, per lb. on the basis of a test of 100 per cent. Kombé. The Waxes market is steady; supplies of Beeswax, with the exception of Benguela, are still very short. The maximum price of Cocoa Butter is raised from 2s, 11d, to 4s, 114d, with effect from Echneway 20, kg. per lb., with effect from February 29, by a new Ministry of Food order (S.I. 1948, No. 233).

Essential Oils

Trade in Essential Oils has been som what restricted, with only small changes price. Eucalyptus oil, 70-75 per cer (B.P.), is offering on the spot at 5s. 6 per lb. for drums, with supplies afloat 4s., c.i.f. LAVANDIN is reported firmer origin. Palmarosa is attracting a god inquiry and supplies are difficult to fin The supply position of Sassafras has no improved and the market is firm. GERANIU oils are maintained at former values.

U.S. Drug and Chemical Repor New York, February 1

The most important development in the FINE CHEMICALS markets last week wa the announcement, by a major producer, reduced prices for normal BUTYL ACETAT and BUTYL ALCOHOL. Industrial alcoho prices are unchanged. The recent reduction in the price of Rochelle salt an CREAM OF TARTAR has not yet been reflected in TARTARIC ACID. Output of Output d GLYCERIN, at present large enough to med industrial requirements, will be curtaile if soap manufacturers find it necessary to reduce operations

There has been very little activity it MENTHOL and Brazilian produce is ported available on spot at \$8.75 to \$9.0 per lb., compared with \$8.90 to \$9.15 week ago. Offerings of natural Camphol at prices ranging from \$1.20 to \$1.25 pe lb., fo.b., are entirely too high for the U.S. market, according to the "Journal of Commerce." Current prices of synthetic refined material are said to be firm, however

The CRUDE DRUGS, SPICES and GUN markets were very inactive last week. The quotation for Canada Balsam was nominally raised to \$35-\$40 per gall, from \$3: previously, following inquiries which found a market entirely bare of supplies; in addition, no material appears to be available at the primary centre. The limited supply of Ouricuri wax resulted in a cents advance in the quotation to 68 cents per lb.; Carnauba, however, has become easier and No. 1 yellow was reduced during the week from \$1.42 to \$1.38 per lb. as an inside price.

While dealers do not expect the slump in other commodities to affect the Essential OILS market, a number of items again declined in price last week. Nutmeg was easier at \$5.25 to \$5.50 per lb., a reduction of 50 cents, and Siberian PINENEEDLE was reduced from \$3.50 to \$3.10 per lb. Among the Aromatics, on the other hand, LINALOL is expected to go higher to reflect the scheduled advance in Bois DE Rose oil on March 1.

Pharmaceutical Chemicals

BARBITONE.—Base and soluble are availble at prices from 44s. 6d. to 46s. per lb. a-Bromisovalerylurea.—Quotations are om 42s. 6d. to 50s. per lb., according to nantity.

BUTYL CHLORAL HYDRATE.—Current prices of from 17s. 6d. per lb. upwards.

CALAMINE.—B.P.C. quality is quoted at s. 10d, per lb. in 1-cwt. lots.

CALCIFEROL.—Quotations are at from Is. to 12s. per gm., according to quantity.

CALCIUM GLUCONATE. — Makers' quotaons are at 3s. 4d. per lb. for 1-cwt. lots.

Carbachol, B.P.—Price of small quanties is in the region of 5s. per gm.

CARBROMAL.—Importers' quotations are t45s. per lb. Continues in short supply. CHOLESTEROL.—Current quotations are om 85s. to 95s. per lb., as to grade.

CINCHOPHEN.—Prices are from 35s. to s. per lb., according to quantity.

CITRATES.—Makers' rates are as follows: OTASSIUM, 5-cwt. lots, 2s. 9½d. per lb., cwt., 2s. 10½d.; schedule prices for quanties of 28 lb.-1 cwt., per lb., are as follows containers in brackets): 3s. 8½d. (1-lb.); s. 7d. (4-lb.); 3s. 6d. (7-lb.); 3s. 5½d. (14-lb.); 3s. 4½d. (28-lb.). FERRI ET MMON CIT., B.P., 7d. per lb. above. ODIUM B.P., 3d. per lb. below; POWDER, d. per lb. extra.

CREAM OF TARTAR.—Current rates for the ome trade are as follows: 10-cwt. lots, 81s. per cwt.; 5 to 10-cwt., 182s.; less han 5-cwt. and more than 2-cwt., 183s.; ses than 2-cwt. and more than 1-cwt., 185s. CREOSOTE.—B.P. quality, ex beechwood, uoted at from 7s. 6d. per lb., upwards.

CRESOL.—Controlled price of B.P. quality rom distillers is 4s. 6d. per gall., ex sellers' remises.

CYCLOBARBITONE.—Current price for 100ilo lots is 215s. per kilo; 200-kilo lots, 06s. The Calcium derivative is quoted t 227s. per kilo.

DIAMORPHINE. — Prices per oz. are: ALKALOID, ½ oz., 54s. 6d.; 1 oz., 52s.; 2 oz., 50s. 6d.; 3 oz., 49s. 9d.; 4 oz., 49s. 6d. Hydrochloride, ½ oz., 50s. 3d.; 1 oz., 7s. 9d.; 2 oz., 46s. 3d.; 3 oz., 45s. 6d.; 4 z., 45s. 3d. per oz.

DIGITOXIN.—Current quotations are in he region of 115s, per gm.

HEXYL RESORCINOL.—This may now be bought at 12s. per oz.

HORMONES. — PROGESTERONE, B.P., is uoted at 49s. 6d. per gm. and ŒSTRONE, B.P., at £17 15s. to £21 per gm.

ICTHAMMOL, B.P. — Easier. Bulk supplies in drums are quoted from 3s. 6d. to 5s. 8d. and upwards; in 28-lb. tins, 3s. 9d. to 3s. 10d.; in 1-lb. tins, 4s. 6d. to 5s. per lb., according to seller.

IODOXYL. — Current quotations are at 156s, 6d, per lb, for the home trade.

MAGNESIUM HYDROXIDE, B.P.C.—Makers' price for 1-cwt. lots is 2s. 11d. per lb. with up to 3s. 7d. for smaller quantities.

Paraldehyde.—Rates for B.P. material are as follows: 5 carboys, 1s. 5d. per lb.; 1 carboy, 1s. 6d.; 24 winchesters, 1s. 7½d.; 17, 1s. 8½d.; 6, 1s. 10d.; 3, 1s. 11d. per lb.

PEPTONE. — Importers' quotations are from 13s. to 15s. per lb., as to quantity.

PHENAZONE.—In short supply. Quotations are at from 32s. 6d. to 35s. per lb., as to quantity.

PHENOBARBITONE.—Manufacturers' prices are 40s. 6d. per lb. for 7-lb. lots and 39s. for 28-lb. lots. The corresponding rates for the Sodium salt are 43s. and 41s. 6d.

PHENOL.—Maximum price for crystals in the home market is 11d. per lb., in 1-ton lots, packed in drums (returnable), delivered. In short supply.

PHENOLPHTHALEIN. — Manufacturers' prices per lb. are as follows: 1-cwt, lots, 6s. 1d.; 28-lb., 6s. 3d.; 14-lb., 6s. 6d.; 7-lb., 6s. 9d.

SALICYLSULPHONIC ACID.—Makers' quotation for this reagent is 15s. per lb.

Sodium alginate.—Current rates per lb. are as follows: 7-lb. lots, 7s. 3d.; 28-lb., 7s.; 1-ewt., 6s. 6d.

SODIUM TAUROGLYCOCHOLATE. — Current quotations are at 45s. per lb.

STEARATES.—Current rates per cwt., in 1-cwt. lots, are as follows: Aluminium, 235s. 6d.; Calcium, 217s. 6d.; Magnesium, 237s. 6d.; Lead, 240s. 6d.; Zinc, 222s. 6d. 5-cwt. lots are 2s. 6d. per cwt. less, and 1-ton lots 7s. 6d. less per cwt. than above prices. Carriage paid in U.K.; packing free.

STILBESTROL.—Quotations for the BASE and DIPROPRIONATE are from 1s. 10½d. to 2s. 6d. per gm.

SULPHACETAMIDE. — BASE and SOLUBLE are priced at 65s. per lb.

SULPHANILAMIDE.—Firm. Makers' rates as follows: 5-cwt., 6s. 3d.; 1-cwt., 6s. 6d.; 28-lb., 6s. 10d.; 14-lb., 7s.; 7-lb., 7s. 9d. per lb., net; packing extra.

SULPHANILIC ACID, B.P.C. — Current quotations are around 6s. per lb.

Terebene.—Rates per lb. are as follows: Carboys, 3s. 9d.; 24 winchesters, 3s. 10½d.; 12, 4s. 1½d.; 6, 4s. 5d.

THYROID B.P.—Prices for the home trade are from 17s. 9d. to 20s. per lb., according to quantity.

Thyroxine sodium.—Makers' prices per gm. are as follows: 1 gm., 50s.; 10 gm., 45s.; 100 gm., 40s.

THYMOL, B.P.—In short supply. Quotations are from 18s. to 18s. 9d. per lb.

VANILLIN.—Current rates are: 5 cwt., 22s. per lb.; 1 cwt., 22s. 3d.; 56 lb., 22s. 6d.; smaller quantities, 22s. 9d. per lb. Supplies from maker are on quota.

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Crude Drugs

Agar.—Kobé No. 1 type strip is quoted at 18s. 6d. to 19s. per lb., spot; No. 2, offered in Hongkong for shipment at 15s. 6d., c.i.f.

Aloes.—Cape is offered at 155s. to 165s., spot; shipment offers are at 140s. to 142s., Curação in boxes is available from 230s. to 240s., spot; forward, 210s., c.i.f., for prompt shipment. Socotrine on spot is quoted at 156s. to 190s.

Asafetida.—Persian block is offering at £22 10s. per cwt., spot, with lower quality material down to £15.

BALSAMS.--Canada continues firm at 18s. 6d. per lb., spot. Pará *Copaiba*, spot, 5s. to 6s. per lb. for soluble. *Peru*, San Salvador, is offered at 6s. to 6s. 3d. per lb., duty paid. *Tolu* on spot, 19s. to 19s. 6d. per lb. quoted.

-Sumatra on the spot is offer-Benzoin. ing from £15 to £18 per cwt., as to quality.

BISMUTH.—Current price of high-grade metal is 11s. per lb. for quantities of 5 cwt.

Buchu.—B.P. leaves, old-crop, quoted from 4s. 2d. to 4s. 3d. per lb., spot; newerop, 3s. 10d., c.i.f.; ovals are offered at 4s.

Camphor.—Chinese tablets (4-oz.) are quoted at 11s. 3d. per lb., spot; refined powder (B.P.), 10s. 3d. Formosa (B.B.), 9s. 6d.; 2½-lb. slabs, afloat, quoted at 10s. 6d. per lb., landed, duty paid. Chinese crude 93-95 per cent., 7s. per lb.

CANTHARIDES.—Chinese, spot, offered at 10s., duty paid; 6s. 3d. per lb., c.i.f.

Capsicums.—East African on the spot are offering at 90s. to 140s. per cwt.

Cardamoms. — Steady. Mangalore: Half-bleached A's, 8s. 6d. per lb., spot; B's, 8s., seeds, 6s. 9d. Aleppy seeds, 8s. 3d. per lb. quoted for No. 1; Aleppy greens, 6s. 3d., with extra bold at 7s.

Cascara sagrada.—Little interest shown and prices are unchanged. 1947 peel is quoted at 265s. to 275s. per cwt., according to holder; 1946 is at 270s. to 275s.

CASCARILLA.—Quills are offering at 1s. 6d. to 1s. 7d. per lb., spot; siftings are rather scarce at 1s. 5d. to 1s. 6d.

Cassia pods (C. fistula).—East Indian, quoted at 65s. per cwt., ex wharf.

CHAMOMILES.—Belgian on spot is firm at 13s. 6d. per lb., duty paid; Hungarian, spot, 3s. per lb., duty paid.

Chaulmoogra.—Hydnocarpus, in tins in cases, is quoted at 1s. 9d. per lb., spot.

Chillies.—Mombasa is quoted at 125s. per cwt., spot; Sierra Leone, 140s., nominal; Nigerian, 100s.; Japanese-type, 190s.

CINNAMON.—Quillings are offered ex store at 1s. 5d., featherings at 1s. 2d., and chips at 8d. per lb.

CLOVES .- Zanzibar is offered at 93d. to 10d. per lb.; Penang, 3s. 6d. per lb., spot.

COCHINEAL.—Silver greys, quoted 4s. 3d. per lb., spot; blacks, 4s. 6d.

Cod-Liver oil.—British-produced oil B.P. quality is quoted from 12s. to 13s. pe gall., delivered in the United Kingdom.

Colchicum.—Jugo-Slav corms are quote at 9s. 9d. to 10s. per lb., spot.

Colocynth. — Merchants are 1s. 8d. per lb., spot, for fine white.

Ergot.—A quiet market. Portuguese i offered at 4s. 3d. to 4s. $4\frac{1}{2}$ d. per lb., spot for shipment, 3s. 10d., c.i.f.

EUPHORBIUM.—Rather more inquiry reported but little business done. Spo quotations are from 85s. to 90s. per cwt.

Gamboge.—Siam pipe of good quality i offered at £55 per cwt., duty paid ex ware house; a few inquiries are reported bu business is slow.

Gentian.—French natural is offering a 80s. per cwt., spot.

GINGER.—Jamaica No. 1 is quoted a 120s. per cwt., spot; No. 2, 100s. t 102s. 6d.; No. 3, 95s.; new-crop No.; February-March, 87s. 6d., c.if. Sierr Leone is offered at 65s.; new-crop, February-March, 87s. 6d., c.if.

ary-April shipment, 56s., c.i.f.

GUM ACACIA.—A firmer market. dofan cleaned sorts 68s. per cwt., spot Lon don; March-April shipment, 59s., c.i.f Bleached No. 1, steady at 140s., ex store Talha cleaned, 40s. per cwt., ex warehouse shipment, 36s., c.i.f.

IPECACUANHA.—Nicaraguan continues to be offered at 28s. 6d. to 30s. per lb., spot shipment, 26s., c.i.f.; Colombian root, 28s. spot, and 25s. per lb., c.i.f.

Lanolin.—Makers' prices are £107 per ton for B.P. Anhydrous and £103 for B.P. Hydrous, delivered U.K., packages free. Supplies are still restricted. Resellers ask from 115s. per cwt. for anhydrous and from 108s. for hydrous, according to quantity and pack.

Mace.—West-Indian blade, on the spot, is quoted at 7s. 3d. per lb.; pickings, 4s. 6d. to 5s. 6d., according to quality.

Male Fern.—Jugo-Slav is offering at £95 per ton, c.i.f.

MERCURY.—Spot, £16 per flask, ex warehouse; for shipment, £15 Ss., c.i.f. U.K.

OLIBANUM.—Fair to good drop is quoted from 200s. to 220s. per cwt.; pea size, 220s.; good garblings, 180s.; seeds, 175s.; siftings, 105s.

PAPAIN.—East African No. 1 is offering

at 30s. per lb. on the spot.

PIMENTO.—Spot is quoted at 1s. 2d. per

lb.; afloat, 119s. per cwt., c.i.f. Rhubarb. — Steady. Chi Chinese

round on the spot is quoted from 5s. to 6s. 6d. per lb., according to fracture; a No. 3 root is available at 3s. 6d.

SARSAPARILLA.—Jamaican native red on the spot at 2s. 4d. to 2s. 6d. per lb.; shipment quotations are at 2s. 3d., c.i.f.

SEEDS.—Spot prices show very little lange, in spite of shipment values, especlly from India, showing an increase. NISE.—Quiet, Cyprus, 1s. 9d. per lb., and urkish, 1s. 8½d. per lb., duty paid, spot ondon or Liverpool. CARAWAY.—Dutch ported sold at 11½d. per lb., duty paid, ot London. CORIANDER.—Spot, Argentine offered at 45s. per cwt., duty paid. st-hand Morocco is available, but for ipment old-crop is quoted at 55s, per vt., c.i.f. London. New-crop will be availble for June-July shipment; there are no dications yet as to shippers' ideas of ice. Cumin.—Spot, Indian quoted at 15s. per cwt., ex store Hull or Liverpool; yprus sold at 217s. 6d. per cwt. in Lonin. DILL.—Indian on spot is quoted at 51.8. 6d. per cwt. in London, and 45s. per vt., in Liverpool; for shipment, 42s. per vt., c.i.f., is now quoted. FENNEL.—Idian is unchanged at 72s. 6d. per cwt., ex ore Liverpool. FENUGREEK.—Indian on the project of the content of the con ot is quiet at 47s. 6d. per cwt. in Lonon, and 45s. per cwt. lying in Liverpool; r shipment, 43s. per cwt., c.i.f. London or

r snipment, 488. per cwt., c.i.i. London or iverpool, is now quoted.

SENEGA.—Quiet. Spot is offered at prices om 11s. 3d. to 11s. 9d. per lb.

SENNA.—Tinnevelly leaves on the spot, fered as follows: No. 1, 9d. to 1s. per .; No. 2, 8d. to 9d.; No. 3, 6d.; No. 4, dd. to 6d. Tinnevelly pods, handpicked, dd to 1s. 4d. manufacturing 51d to 6d. d. to 1s. 4d.; manufacturing, 5½d. to 6d. lexandrian pods, handpicked, spot, from edium, 2s. 9d.; manufacturing from Is. 1s. 9d. per lb. Alexandrian leaves, 1s. 2d. r lb. quoted for f.a.q.

STROPHANTHUS.—A parcel in course of nding is offering at 12s. 6d. per lb., subct to a satisfactory test. Spot quotation r Kombé, 100 per cent., is 13s. 6d. per with only a small supply available.

TAMARINDS.—Barbados is

2s. 6d. per cwt., duty paid.

Tonka beans. — Quiet. Frosted Pará

quoted at 5s. per lb., spot.

TURMERIC.-Madras finger is nominal at 20s. per_cwt., spot; April-May shipment, 5s. to 105s., c.i.f.

Valerian.—Belgian root is at 175s. to 35s. per cwt., according to holder.

Waxes.—Dar-es-Salaam Bees', on spot, offered at 385s. per cwt.; Lindi, 375s. enguela is quoted at 360s., duty paid; ipment, 310s., c.i.f. Candelilla.—Steady t 400s. per cwt., spot, and shipment, 380s., i.f. Carnauba.—Fatty grey on spot, 520s. er cwt.; shipment, 480s., c.i.f., nominal. rime yellow, spot, 850s. per cwt.; shipment, 800s., c.i.f. Montan.—Steady. Rejeck is offering at 350s. per cwt.; Czechovak crude, 300s. Ouricuri.—6 per cent., spot, 275s. 1 spot, 375s. per cwt. Shipment, 1 per ent., 415s., c.i.f.; 2 per cent., 410s., c.i.f.; per cent., 390s., c.i.f.

Essential and Expressed Oils

ALMOND.—B.P. (sweet) may be bought at from 10s, 6d, to 12s, 6d, per lb. Bitter oil is quoted from 30s, to 55s, per lb., according to quality and seller.

Anise.—Chinese star in drums is offered at 6s. 3d. to 6s. 6d. per 1b., and in tins at 6s. 6d., with up to 7s. 6d. for smalls.

BAY.—Prices of West Indian are unchanged at 7s. to 8s. 6d. per lb., spot.

CADE.—Prices are from 4s. to 5s. 6d. per lb., according to holder and quantity.

CAMPHOR .- White oil of good quality is offered at 3s. to 3s. 6d. per lb., duty paid. CANANGA.—Java oil, spot, is quoted from 35s. to 40s. per lb., 27s. 6d., c.i.f.

Caraway.—English-distilled is offered at from 38s. to 40s. per lb.; imported oil, from 30s. to 32s. 6d.

Cassia. — Spot quotations are from 15s. 6d. to 17s. per lb., as to quantity.

CINNAMON.—Ceylon bark oil is available at 12s. 6d. per oz.; English-distilled, from 24s. to 40s. per oz.; B.P. oil is at 75s. to 85s. per lb. Leaf oil, spot, is quoted at from 8s. 6d. to 10s. 6d. per lb.

CITRONELLA.—Ceylon on the spot is offered from 4s. 6d. upwards per lb., according to quantity; Java, from 11s. to 15s.

EUCALYPTUS.—70-75 per cent. (B.P.) is offering at 5s. 6d. per lb. for drums and up to 6s. 6d. for smaller quantities; shipment 4s., c.i.f.

GERANIUM.—Bourbon is firm at 65s. to 72s. per lb., spot, as to grade and seller.

GINGER.—Prices are quoted from 75s. to 85s. and upwards per lb., according to grade and seller.

LAVANDIN.—Spot offers are from 10s. to 12s. per lb., as to grade and quantity. The forward market has strengthened.

LAVENDER.—French, 38-40 per cent. is quoted at 25s. to 27s. 6d. per lb., spot; 40-42 per cent., 28s. to 31s. Spanish (spike) is steady at 9s. 6d. to 11s. 6d. per lb., spot.

Lemongrass.—Steady with spot supplies from 8s. 3d. to 10s. 6d. per lb., as to holder. Origanum.—Quotations are from 18s. 6d.

to 20s. per lb., spot, according to holder.

Palmarosa.—Spot has been offering at 36s. to 37s. 6d.; c.i.f., 36s. per lb., nominal. Pine needle.—Spot is steady at 22s. per lb. for first-grade oil.

RAPESEED.—Controlled price of crude oil

is £190 per ton, naked ex works.

Rosemary.—Spanish is offered at 8s. to 10s. 6d. per lb., according to quantity.

Sandalwood.—English-distilled, in limited supply, is quoted at 75s. to 90s. per 1b.

Vetivert.—Java is quoted at 135s. per lb., on the spot; Bourbon, 125s. to 145s.

Ylang ylang.—Bourbon is quoted at 65s. to 100s. per lb., as to grade and seller.

COMING EVENTS

Monday, February 23

ISLE OF THANET BRANCH, PHARMACEUTICAL SOCIETY, Saracen's Head Hotel, High Street, Margate, at 8 p.m. Mr. F. W. Adams (deputy secretary of the Society) on "The National Health Service."

SHEFFIELD BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, Metallurgical Club, West Street, at 7.45 p.m. Professor E. J. Wayne on "Recent Advances in Drug Treatment."

Tuesday, February 24

NORTH LONDON PHARMACEUTICAL ASSOCIATION, Beale's restaurant, Holloway Road, London, N.7, at 7.30 p.m. Miss C. E. Mozley-Stark, Ph.C., on "A National Formulary."

PLYMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Goodbody's Rooms, Marina Place, Multey, at 7,30 p.m. Mr. A, R. G. Chamings, B.Pharm., Ph.C., on "Antibistaminics and Allergy."

LONDON AND SOUTH-EASTERN COUNTIES SECTION, ROYAL INSTITUTE OF CHEMISTRY, Cherry Tree, Welwyn Garden City, at 8 p.m. Professor D. H. Hey, on "Reactions of Benzoyl Perox de."

Wednesday, February 25

CHESTER BRANCH, PHARMACEUTICAL SOCIETY, Grosvenor Hotel, at 8 p.m. Film show. PHARMACEUTICAL SOCIETY,

HEFFIELD BRANCH, PHARMACEUTICAL SOCIETY, Metallurgical Club, West Street, at 8 p.m. Dis-tribution of prizes to students.

EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, Stratford Church Institute, 27 Romford Road, London, E.15, at 8 p.m. Resolutions for Branch Representatives' meetings.

HARROW BRANCH, PHARMACEUTICAL SOCIETY, Bridge School, Station Road, Wealdstone, at 7.30 p.m. Mr. F. C. King, on "Surgical Appliances."

DARTFORD BRANCH, PHARMACEUTICAL SOCIETY Wellcome Club (opposite Parish Church), High Street, Dartford, at 8 p.m. Mr. W. J. Tristram on "Pharmacy and the National Health Service."

Thursday, February 26

REGISTERED PHARMACISTS' UNION, 55 Russell Square, London, W.C.1, at 7.45 p.m. Annual meeting.

WEMBLEY CHEMISTS' ASSOCIATION, Town Hall, Wembley at 7.45 p.m. Film show.

Friday, February 27

London Branch, Guild of Public Pharmacists, 17 Bloomsbury Square, London, W.C.1, at 7 p.m. Dr. G. B. West on "Chemical Conveyance of Nervous Impulses."

REGIOTON AND HOVE BRANCH, PHARMAGEUTICAL SOCIETY, Music Room, Royal Pavilion, Brighton, at 8 p.m. Mr. W. J. Arrol, Ph.D., B.Sc., on "The Beneficial Uses of Atomic Energy" (joint meeting with local division, British Medical Association).

Monday, March 1

SOUTHAMPTON BRANCH, PHARMACEUTICAL SOCIETY, Polygon Hotel, at 7.30 p.m. Mr. L. Steplens, on "Sex Hormones and their Cli..ical Usz."

LEICESTER BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, BOARD ROOM, Leicester Royal Infilmary, at 7.30 p.m. Speaker: Miss Rell (matter) of the Infirmary). Bell (matron of the Infirmary).

WEST KENT BRANCH, PHARMAGEUTICAL SOCIETY, Central Library Hall, Beckenham, at 8 p.m. Mr. L. K. Sharp, B.Sc., Ph.C., on "Chemotherapy and the Syllabus."

TRADE MARKS

(From "The Trade Marks Journal," January 28 "MADELEINE VRAMANT" in facsimile signature; fo non-medicated toilet preparations, soaps, per fumes, essential oils, cosmetics, hair lotions an dentifrices (3). By Madeleine Vramant, 4 Cours Albert 1er, Paris. 649,562.

"SWAN LAKE"; for perfumes, essential oils, non medicated and non saponaceous toilet prepara tions, cosmetics, dentifrices, and hair prepara tions (3). By Hauer & Co., Ltd., Shaddon Mills, Shaddongate, Carlisle. B651,496.

"SANICREME"; for toilet creams (not medicated (3); for medicated toilet creams (5). By Harry Copley May, 25 Berners Street, London, W.1 652,149-50 (Associated).

"WALPOLE"; for non-medicated toilet preparation for the skin, hair and scalp; toilet soap and toilet preparations for shaving (3). By The Wal pole Dispensaries & Botanic Pharmacy, Ltd. 32 East Park Terrace, Southampton. (Associated).

"STENDHAL"; for non-medicated toilet preparations, cosmetics, perfumes, hair lotions, soaps and dentifrices (3). By Stendhal, 25 rue Royale, Paris. 652,952.

"SABRON"; for non-medicated non-saponaceous toilet preparations, cosmetics, hair lotions and dentifrices (3). By Compo, Ltd., Albert Works, Dunkinfield, Cheshire. 653,090.

"Oomphies"; for toilet preparations (not medicated) (3). By R. Desvaux & Co., Whitefield,

Manchester. B653,229. "TOPINA" "AJOTAL"; for non-medicated toilet preparations, cosmetics, perfumes, toilet soap and shaving creams (3). By Toja Products, Ltd., 83 Scrubs Lane, London, N.W.10. 653,810-11 (Associated).

"Sourire de Jacqueline Vienne" in distinctive lettering; for perfumes (3). By Jacqueline Vienne, 20 Upper Grosvenor Street, London, W.i. 654,384.

"WHIZ"; for shaving preparations (other than shaving soap) (3). By D. & W. Gibbs, Ltd., Kingscote House, 1 Watergate, London, E.C.4. 654,695 (Associated).

"OPTREX"; for non-medicated toilet preparations, cosmetics, soaps, perfumes, essential oils and dentifrices (3); for pharmaceutical preparations for human and veterinary use, sanitary sub-stances, infants' and invalids' foods, medical and surgical plasters, material prepared for bandaging, antiseptics and disinfectants (5), all for sale in the United Kingdom only. By Optrex, Ltd., 14 King William Street, London, E.C.4-654,939-40 (Associated).

"SHAW'S VERMO"; for insecticide powders for veterinary use (5). By Shaw's Veterinary Products, Ltd., 464 Alexandra Avenue, Rayners Lane, Harrow, Middlesex. B651,412.

" MASSUREX"; for pharmaceutical substances and surgical dressings (5). By Harry A. Penney (Distributors), Ltd., 22 Highgate, Kendal, Westmorland. B651,978.

"AMFAC"; for pharmaceutical preparations and substances for human and veterinary use (5). By Armour & Co., Ltd., Thornton House, Finsbury Square, London, E.C.2. 652,689.

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for parenteral injection.

Phenoxetol is very effective in pyocyanea infections of burns or superficial wounds. It is especially useful in the preparation of surfaces for skin grafting, in dermatitis associated with Ps. pyocyanea and for the sterilisation of tuberculosis cavities infected with Ps. pyocyanea. Phenoxetol may also be used in Penicillin solutions and creams where it has the additional advantage of preventing deterioration caused by microorganisms.

References: Lancet, 1944, 247, pp. 175 and 176.

British Medical Journal: 1946, 1. p. 50.

Pharmaceutical Journal: 1945, 155, p. 245.

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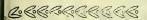
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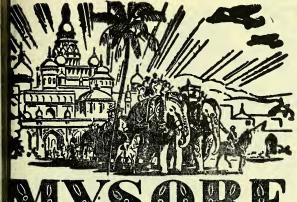
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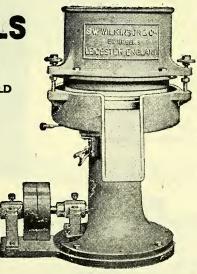
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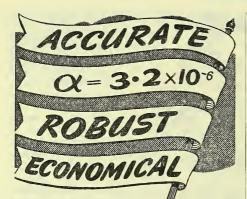
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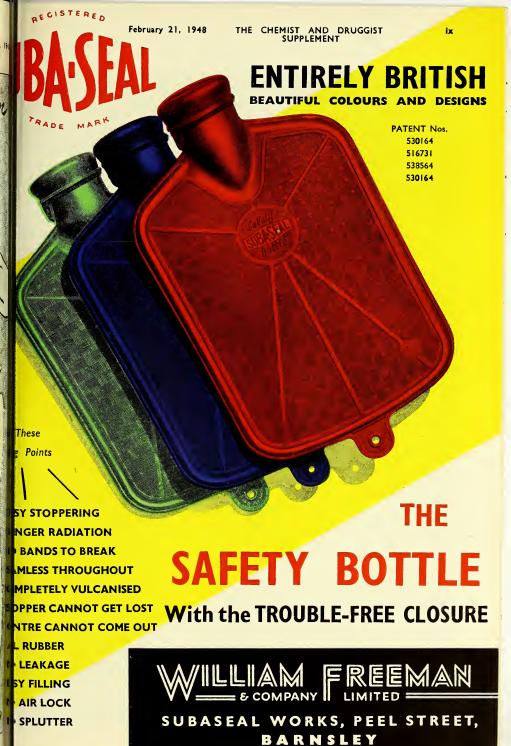
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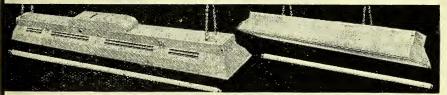


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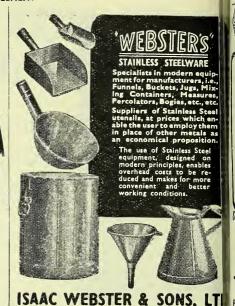






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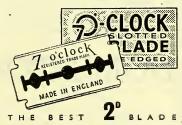
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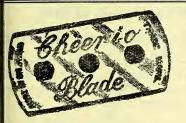
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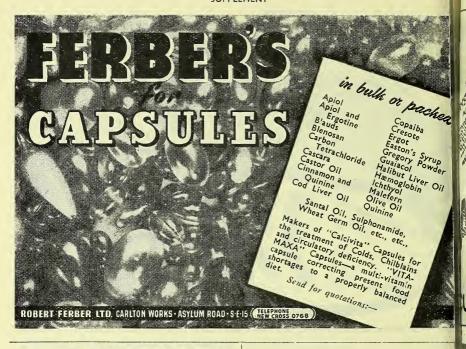
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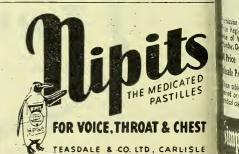
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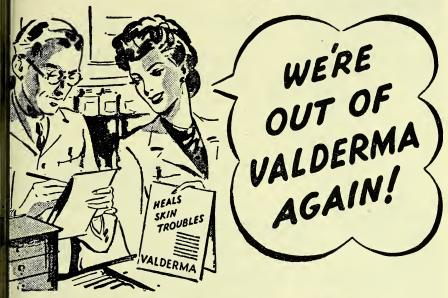
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RMACIST required as relief manager for a group harmacies situated in the Home Counties. Ex-

nt experience with a managerial position in course. Give full particulars of previous ex-

roce, etc., to Goldthorpes, 10 Powis St., Wool-S.E.18. Woolwich 0403. RMACISTS and unqualified assistants required vacancies in South-East and South-West London. nanent progressive positions. Superannuation ne in operation. Apply in writing, stating age, rience and salary required, to the Staff Man-, Royal Arsenal Co-operative Chemists, Ltd., Powis St., Woo'wich, S.E.18,

QUALIFIED lady or gentleman required for South London pharmacy. Good salary, good prospects for the right man. Hours 9 a.m. 6 p.m. Please send full particulars. Box 2/942.

SMALL MULTIPLE company in London require a qualified manager for the Walthamstow district, a

qualified relief manager who will be supplied with qualified relief manager who will be supplied with living accommodation and three unqualified assistants. The situations are permanent, progressive and recommended by Orridge & Co., Employment Agency, 184 Strand, W.C.2. Telephone Temple Bar 9212. Enquiries invited. Please state full particulars in the first instance.

SOUTH COAST RESORT. Qualified chemist rquired, lady or gentleman. Good wages. Write Box 2/917. SUSSEX. Qualified assistant required for old-established pharmacy; mainly dispensing. Good salary. Apply L. Cameron & Son, Ltd., 12 and 14 Broad St.. Seaford. Sussex.

St.. Seaford, Sussex.
TIMOTHY WHITES & TAYLORS have a number of vacancies for male or female unqualified assistants with dispensing experience. The appointments are permanent, progressive, with good conditions, including pension scheme. Applications, giving full particulars of previous experience should be addressed to Mr. W. E. Stokes, M.P.S., Timothy Whites & Taylors, 70 Vauxhall Bridge Road, London, S.W.I.

l'aylors, 70 Vauxhall Bridge Road, London, S.W.1.
URGENTLY WANTED. Qualified manager for good-class dispensing business, able to windowdress an advantage. Apply, giving full particulars of experience and salary required, to W. L. Million,
Ltd., 168 Fleet Rd., Fleet, Hampshire.
WEST HARTLEPOOL. Pharmacist required, capable
of taking charge of a branch. Suit newly qualified
person. Exceptional opportunity for experience in
busy good-class store pharmacy. Apply in writing to
Hartlepools. Co-operative Chemists, Ltd., West
Hartlepool. Hartlepool,

YOUNG pharmacist, recently qualified and well-trained, required for high-class pharmacy in West Midlands. Box 2/907.

RETAIL (OVERSEAS)

CHEMIST/OPTICIAN lor large progressive pharmacy near Johannesburg. Must be able to take charge of business and control staff, dispensing, counter and sight-testing. Give fullest particulars re age, marital status, experience and ontrol qualifications. Copies sight-testing. Give fullest particulars re age, martial status, experience and optical qualifications. Copies of testimonials, when qualified as chemist and druggist, etc., and if previously managed any business; how soon can leave for South Africa. Reply, Chemist-Optician, c/o A.P.S. Journal (Pty.), Ltd.,

CEYLON. Chemist, M.P.S., required for large departmental store. 25/30 years of age. Single. Initial engagement of four years. Passage paid out and home. Six months home leave with half pay and free passages if engagement renewed. Generous terms and cost-of-living allowance, provident fund and other benefits. Write, with full particulars of experience, etc., to Box Y.164, Willings, 362 Gray's Inn Rd., W.C.1,

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LOCUMS WANTED

QUALIFIED LOCUM required June 14-26. Apply J. Graham, 99 Leek Rd., Smallthorne, Stoke-on-Trent.

WHOLESALE

ASSISTANT ADVERTISING MANAGER

BOB MARTIN LIMITED are looking for an Assistant Advertising Manager experienced in the working of a modern advertising department. He should understand modern marketing and be at home with easily digestible statistics.

Applicants should write in confidence, stating (a) age, (b) education, (c) experience and (d) salary required, to:

W. T. J. METCALFE, Advertising Manager, BOB MARTIN LIMITED, SOUTHPORT . LANCS.

A LEADING LONDON surgical instrument house requires smart shorthand typist (male or female) with knowledge of bookkeeping, and with possibility of promotion to secretary. Write in the first instance, giving full details of past experience and salary required, in confidence, to Box 1241 Mason-Peacock, 184 Strand, W.C.2.

ACTIVE REPRESENTATIVES required for all parts of England and Wales by a well-known firm of distributors to sell shaving soan to Carons Only

England and Wales by a well-known firm of distributors to sell shaving soap to Co-ops. Only those with extensive connections and who can furnish references at a later date need apply to Managing Director. Box 2/952.

AGENTS OR TRAVELLERS wanted for quick-selling nationally advertised article shortly being marketed direct to the retail. (In London only full-time men considered.) Excellent earnings can be made by men prepared to work. In first letter state age, present lines carried, exact ground covered, etc. Box No. 120, Dorland, 18-20 Regent St., S.W.1.

BURROUGHS WELLCOME & CO., have vacancies for Bachelors of Pharmace or Pharmaceutical Chemists

Bachelors of Pharmacy or Pharmaceutical Chemists in their development laboratories at Dartford. Previous experience in the formulation of pharmaceutical preparations and in the development of manufacturing methods is not essential but would be an advantage: Salaries according to qualifications and experience. Applications to be addressed to the Development Manager, Wellcome Chemical Works,

Dartford.

CIBA LABORATORIES LTD., Horsham, Sussex, require medical representatives for various territories throughout Great Britain and Northern Ireland. Applicants should hold a pharmaceutical qualification and should preferably be below 35 years of age. Previous experience as a representative not essential as training will be given. Write fully, giving details of experience, qualifications, age and

ing details of experience, qualifications, age and salary required, to the Sales Manager. EIRE. Sole representative required for whole of Eire by nationally known, well-established English C.F. house with wide range medicated proprietaries. To tie in with substantial advertising planned, trade in territory—about £7/8,000 annually—needs vigorous development by energetic salesman with first-class selling record. Applicant must be under 45 and Irish born or have established connection Eire chemists. Only men of outstanding character, integrity and accustomed to four figure remuneration need apply. Permanent post with progressive future if real ability shown. 211 Piccadilly. W.I. EXPERIENCED and enterprising representative

EXPERIENCED and enterprising representative wanted who visits chemists regularly in the London area and is willing to sell a few sidelines. Commission only telephone Rudson Wood & Co., Ltd., Mai 8681 Mai 8681.

EXPERIENCED works chemist required with sp knowledge of the detergent trade, soap pow washing compounds, laundry mixtures and soap stitutes. Must be thoroughly experienced in methods of manufacture. For West of Eng Full particulars and salary required, to Box 2/EYPEDIENCED medical representatives required. Full particulars and salary required, to Box 2 EXPERIENCED medical representatives required Midlands and Scotland, by well-known man turers of ethical specialities. Applicants shreside in the respective territories. Experie salary required, etc., to Box 63, Smiths', 100 l St., London, E.C.4.
Full-Time representative required for Yorks Durham and Northumberland for old-establi manufacturers of nationally advertised proprie and toilet articles selling to chemists. Salary, penses and commission. Send full particular confidence to Box 2/893.

confidence, to Box 2/893.

H. & G. PLACE & CO., LTD., require represents for old-established connection, South Wales, G cester, Somerset and South Mid ands, etc., for chemists' and doctors' sundries, surgical dressi etc. Previous experience and car owner prefer Salary, good commission, expenses. Apply, sta age, previous experience. H. & G. Place & Ltd., Poplar Grove, Sale, Manchester.

Independent of the Manchester. IMPERIAL CHEMICAL INDUSTRIES LTD., have senior vacancy for a pharmacist with literated bility and experience in the compilation of litture and the provision of information relating medical and veterinary pharmaceutical produced Applications with full particulars should be addrest of Imperial Chemical (Pharmaceuticals), Ltd., Sand Establishment Section, "The Ridge," Beefield Rd., Alderley Edge, Manchester. This post excepted from the provisions of the Control of gagement Order, 1947.

LADY PHARMACIST required at manufactur laboratories near Kingston, Surrey. Practical perience in large-scale production of ampoule paration desired. Fullest details and salary quired, to Box 2/795.

MANCHESTER wholesale chemists require warehou man for drug department. Wholesale or retail perience in wets and drys, State age, wage requirence Published by permission of Ministry of Labour and National Service under Centrol of Engagement Order. Box 2/946.

MANUFACTURERS of C.F. preparations require presentatives or agents for London, Suffolk, Notolk, Hunts, Cambs, Notts, Leicestershire, Lin Warwickshire, Worcestershire, Yorkshire, Scotlar South Wales. Applicants must have good conniction. 20% commission. Applications with full particulars of present territory and lines carried Roy 2/940 presents. Box 2/940.

MANUFACTURING and wholesale chemists requi additional representatives to cover the area immed ately North and South of Sheffield. Preference w be given to applicants who live in the district at have previous experience of commercial traveling. A good knowledge of ethical pharmaceutica essential. Apply, stating salary required, to Smi & Hill (Chemists), Ltd., Sidney St., Sheffield,

OLD-ESTABLISHED lozenge and pastille house requires representative, over 40 years' of age preferred for Yorkshire, etc. Salary and commission wort about £400 per annum, plus all travelling and or of pocket expenses. Box 2/900.

OLD-ESTABLISHED manufacturing chemists, market ing well-known advertised proprietary lines of medi cated confectionery in popular demand throughou the trade, have vacancies for representatives or sol agents on most territories throughout the Britis Isles. These vacancies occur owing to complete re organisation and enlargement of present sales force Only men with established connections, capable of developing existing hysiness need annly. developing existing business need apply. Applications in writing, stating age, experience and territory covered (if car owner). Applications in confidence to Sales Manager, 2/902.

ESTABLISHED chemists' sundriesmen require me representative for West, North-West Lon-Must be experienced. Preference given to with own connections, knowing area. Existing nerative connection will be handed over. Car nerative connection will be handed over. Car ded. Full support guaranteed. Salary and/or hission. Staff pension scheme. Full details, ences, etc., to James Hardcastle & Co., 20 Holborn, W.C.I. ZAL wholesale-manufacturers (well-established) re representatives to call on chemist/opticians opticians in Northern Ireland and Eire. De-applications to Box 2/918.

applications to Box 2/918.

FIRST-CLASS SALESMAN required by Maw of t (the Meritor people). Applications required pecial sales force for selling Maw agency meritar sales force for selling Maw agency Meritor toothbrushes and Meritor antimoth. 3, Counties of Lancashire, Nottingham, Derby, ster, Northampton, Oxford, Bucks, Beds, Huntar, Cambridge, Suffolk and Norfolk. Terriwould be reduced after first year. Vacancies he other areas have been filled. Age 30-45 ienced car driver. Must reside on territory, cations in writing only from representatives first-class experence on a portion of that area any supplier firm of repute selling advertised any supplier firm of repute selling advertised any supplier firm of repute selling advertised ietaries or chemist sundries. Representatives obtain distribution of ten nationally adverlines, Excellent salary, good commission, able expenses. Car supplied (subject to de-Applications, in writing, enclosing photograph les Director, Maw of Barnet.

MACIST required for general wholesale and atory duties. Excellent prospects for single man desirous of entering the wholesale.

IINENT business organisation has vacancies for AINENT business organisation has vacancies for stocktaking assistants in the London area, nds and the North; actual stocktaking experinot essential but applicants must have had rehensive wholesale or retail training; there is vacancy as an executive in the stock-pricing n, preference for which will be given to applialready familiar with duties of this description ossessing a thorough knowledge of up-to-date of drugs, proprietaries, etc. Applications, will be treated as strictly confidential, should particulars of experience, salary, etc., and be

particulars of experience. salary, etc., and be sed initially to Box 2/901.

RESSENTATIVE required to cover the North-term of the sts, stores, etc.—To carry an additional line commission basis. Good lines, prompt de-

Box 2/921.

RE ESENTATIVES with established connections in chemists trade required. High commission, live men capable of earning £10-£20 per considered. Box 2/922.

REEESENTATIVES with excellent connections and selling record, to sell fine perfumes and cos-s to stores and chemists, in Yorkshire, Eastern, Counties and in Scotland. Salary, com-nion and expenses. Box 2,923.

ESENTATIVE required for Midlands by well-ished firm of high-class toilet brush manufac-

is the first of the state of th

ESENTATIVE required for N.W. England and by by well-established firm of high-class toilet manufacturers. Good connections with stores, sts and wholesalers essential. Good remuneration Apply, giving full particulars to Box 2/909.

ESENTATIVE required for Scotland, by well-st ished firm of high class toilet brush manufac-us. Good connections with stores, chemists and salers essential. Good remuneration. Apply, full particulars, to Box 2/908.

REPRESENTATIVE required by firm of manufacturing chemists to call upon doctors, chemists and hospitals in connection with high-class ethical pharmaceutical products. Salary, commission and expenses basis. Area South Warwickshire, Oxfordshire and Worcestershire district. Box 2/953.

REPRESENTATIVES required by wholesale distributors handling nationally known range of perfumes and cosmetics for the following territories: Scotland, Wales, South-western, South, South-eastern, Home and North-west Counties. Liberal commission and existing accounts handed over. Must have good connection with chemists, stores and Co-ops. Box 2/857.

REPRESENTATIVE required for nationally advertised cosmetic manufacturers. South Coast area. Reply,

giving full details, to Box 2/964.

REPRESENTATIVES required by manufacturing chemists for high-class quick-selling lines. Must be well introduced to chemists. Generous commission. State territory covered. Write in confidence to Box 2/976 2/876.

REPRESENTATIVES required by wholesale and manufacturing house, for Derbyshire, South Yorkshire and Lincs territories. Qualified men preferred. Remuneration will be by salary, commission and expences. Car allowance if car owner. Applicants should state salary required and details of previous experience. Box 2/949.

REPRESENTATIVES required for London and the provinces to sell well-introduced and advertised chemists' and hairdressers' toilet lines. Commission and expenses. Reply to Box 2/872.

REPRESENTATIVE, resident in London, required by old-established manufacturing chemists. Age not exceeding 35 years. Applicant must have sound knowledge in high-class pharmacy. Car owner an advantage. Full particulars, age, details of experience to date, salary required, in first letter, to Box 2/930.

REPRESENTATIVE, part-time, required, calling on chemists and stores in London and district, to handle additional lines in medicinal tablets and pills on generous commission terms. Write Box 2/948.

REPRESENTATIVES calling on chemists and hair-dressers who want to sell bottles and jars as a side line on good commission. Box 2/929.

REPRESENTATIVE-AGENT required for Scotland by old-established manufacturing chemists. To take over and develop existing business. Applicants must have sound connection and be prepared to give adequate representation. Car owner preferred. Fullest details of experience (including retail pharmacy), territory covered, and other firms represented, in first letter, to Box 2/931.

SALES AGENTS wanted for polishes, cleansers, bleach, laundry aids, etc. Box 2/897.

SALES REPRESENTATIVES calling on chemists, hairdressers, stores, etc., in all areas of the British Isles, required by well-established manufacturers and distributors of first-class toilet preparations and cosmetics. Apply, giving full particulars and experience. Box 2/896.

SALES REPRESENTATIVES required by world-famous SALES REPRESENTATIVES required by world-tamous toilet brush company for following territories: 1, Warwickshire, Northants. 2, Staffordshire, Leicestershire. 3, Scotland, resident Edinburgh. Must have own car. Salary, commission, expenses, pension scheme. Write full details age, experience, etc., Sales Director, G. B. Kent & Sons, Ltd., 24. Old Bond St., London.

SHAVING STICKS, shaving cream, toilets. Oldestablished company require experienced live representatives in all parts of the United Kingdom. Preference given to those with existing connections with chemists and grocers. Remunerative opportunities for good men. Write Box 108, c/o George Murray (Advertising), Ltd., 184 Strand, London, W.C.2.

SCOTLAND. Good commission offered by perfumery manufacturers to traveller calling upon chemists in Scotland. Sole agency given to efficient representa-tive. Apply Box 2/905.

SPECIAL REPRESENTATIVES (3) required by manu-

facturers of popular and exceptionally well-presented facturers of popular and exceptionally well-presented proprietaries for following territories: 1, London postal district and Middlesex. 2, Midland Counties. 3, West Country. Age 25-40, preferably car owner. Appointments are permanent and offer undoubted scope to the right men. Indisputable proof of first-class selling record to chemists, stores and Co-ops. on the territory essential. Write complete details in confidence. Age, experience, basis of remunerain confidence. Age, experience, basis of remunera-tion preferred, etc., Box 2/939.

SPECIAL REPRESENTATIVE for London area re-

quired by world-famous toilet brush company. Age 25-35. First-class selling record to chemists and stores essential. Excellent terms and prospects for the right man. Write full details, age, education, experience. Sales Director, G. B. Kent & Sons, Ltd., 24 Old Bond St., London.

THE CHAS. H. PHILLIPS CHEMICAL CO., LTD.,

require additional representatives in the following territories: (1) Hants, Dorset and Berks.; (2) Surrey, and (3) Kent and S.E.

Applications are invited from men resident in these areas with sound experience in retail pharmacy.

Apply to Sales Director, 179 Acton Vale, London, W.3, giving all details and outline of past experience.

THE DIRECTORS of the Co-operative Wholesale Society Ltd., invite applications from suitably qualified persons for the position of manager of a new department to undertake the production of cosmetics and toilet preparations. The Society already manufacture and packs a number of such products but factures and packs a number of such products, but the person appointed will be required to plan and execute a considerable extension of the trade. Applicants should be experienced in the manufacture, packaging and marketing of a wide range of such products and must possess the initiative and organising ability necessary to carry through the extension contemplated. Form on which application may be contemplated. Form on which application may be made can be obtained on request from the Staff Office, C.W.S., Ltd., 1 Balloon St., Manchester, 4. TRAVELLER required for the four Northern Counties to represent a firm of C.F. manufacturers. Only applicants, with sound connections should apply applicants with sound connections should apply.

Salary, expenses and commession. Write, giving TRAVELLER required for Northern Ireland, to represent a firm of C.F. manufacturers. Only applicants with sound connections should apply. Salary, expenses and commission. Write, giving full particulars to Roy 2/004.

ticulars, to Box 2/904.

TWO REPRESENTATIVES (car owners) required by firm of manufacturing chemists for Yorkshire and North and South Wales. Must have first-class con-nections with chemists, hairdressers, department

stores, etc. Salary and commission. Box 2/843, VACANCY for representative with Maw of Barnet (the Meritor people). Regular representative required for selling normal range to South London chemist territory. Applications must be made, in chemist territory. Applications must be made, in writing, together with photograph. Applicants must quote experience fully, including education and names of retail/wholesale firms with whom previously and now engaged. Applicants must preferably live in South London. Applicants must have a first-class sales record with a house of repute and must have a thorough knowledge of chemist sundries gained in retail or wholesale experience. Applications to Vernon Porter, Sales Director, Maw of Barnet.

WANTED. Agent for Lancashire and Cheshir ritory to call on chemists for firm marketing n ally advertised products. Only applicants established connections should apply to Box 2 stating previous experience, age, etc.

WANTED, active distributors and agents for a ber of sound lines with large sales possibilities. commission and yearly bonus on results. Y giving details of territory covered, other lines ca etc., to Box 2/932.

WELL-KNOWN and old-established fine soapm and perfumers have early vacancy for experi-full-time sales representative. Territory Sout Eastern and part Midland counties. Salary an expenses. Apply with full details of experi age, etc., to Box 2/906.

WORKS FOREMAN for old-established manufa products and toilet preparations. Able to svise male and female labour. Preference giveyoung man ambitious for promotion to assi Works Manager. Good wages, five-day week.

YOUNG qualified chemist, lady or gentleman supervisory work in laboratory and production quired by manufacturers of pharmaceutical art toilet preparations, cosmetics, soaps. Previous perience in production not essential. State experience and salary required. Droyt Prod Ltd., Progress Mill, Chorley, Lancs.

YOUNG, energetic pharmacist required to assist the general management of a London wholesale house. Someone not afraid of work required, sion scheme in operation. Reply, stating desired, experience, age, etc., to Box 2/890.

CLERICAL

A CAPABLE CLERK, male or female, required. knowledge of export procedure desirable and r be able to work on own initiative. A good sa be able to work on own initiative. A good sa will be paid to a candidate possessing the neces knowledge and experience. Particulars or education, experience and salary suggested to sent to Anglo-Iranian Pharmaceutical Co., L Tavistock House South, Tavistock Sq., Lond

CLERICAL ASSISTANT required for firm in No Hertfordshire, specialising in the manufacture supply of agricultural and horticultural fertilis etc. State age, experience and salary requir Box 2/920.

OFFICE JUNIOR wanted for the Head Office of journal; good opportunity for alert youth or leaving school; hours 9.30 to 5, no Saturda Written applications to Staff Director, Mors Bros. (Publishers), Ltd., 28 Essex St., Londow. W.C.2.

WHOLESALE (OVERSEAS)

CHEMISTS urgently required by large compa operating in the Middle East. Will be employ either on development or process work and shot either on development or process work and shot be prepared initially to undertake shift work of process plant; should possess B.Sc degree and process plant; should possess B.Sc degree and process plant; should possess B.Sc degree and process of the process plant; should possess B.Sc degree and process of the process plant; salary not less than £500/£600 p.a. according qualifications, together with a generous allowance local currency, also free furnished bachelor accommodation; free passages out and home; free medic attention; kit allowance; provident fund benefit Applicants must be of full British parentage an should write stating age, qualifications and experence to Dept. F.18, Box 1006, at 191 Greshal House, E.C.2.

operation by large company operating in the le East. Applicants need not be graduates but have had a chemical training up to Inter or National Certificate standard with experior National Certificate standard with experior shift work in either a gas, coke oven or ical works. Age not over 30. Salary in ig between £540 and £600 per annum, p'us ous allowances in local currency, with* free shed bachelor accommodation, passages out and medical attention, also kit allowance and dent fund benefits. Apply, stating age, qualions and experience, e.c., to Dept. F.22, Box at 191 Gresham House, E.C.2.

SITUATIONS WANTED

or 18 words or less, 1d. for every additional word

RETAIL (HOME)

UALIFIED (53), energetic, long all-round experi-recently disposed of own business, requires orary post, or permanency if accommodation able. About midd'e March. Financial invest-considered. J. C., 17 The Grove, Isleworth,

WHOLESALE

LYST, B.Sc., with long experience in assaying ude drugs and analysis of fine chemicals and naceutical products seeks senior position with posibility. Box 2/944.

**IST, specialised and long experienced in forting programment of the contraction of the contracti

ting and manufacturing up-to-date cosmetics perfumeries, desires respons ble position.

RIENCED REPRESENTATIVE, covering whole-chemists, hairdressers, sundriesmen, wholesale res, multiples and Co-ops, in London and Home ties, with large number of current accounts, one good addi ional line by firm of repute. ity business sought, 15-year-old connection, Carr. Commission basis. Box 2/955.

r. Commission basis. Box 2/955.
LIFIED CHEMIST seeks representation, N. Irefor reputable Cross-Channel house. Only established firms with branded goods enterd. Box 2/957.
RESENTATION. Gentleman, 33, with own car connection Lancs/Yorks seeks change. Sound ledge drug trade. Box 2/916.
RESENTATIVE, 26, experienced, desires change; to sin reputable firm. London area. Good

es to join reputable firm, London area. arance and approach. Public school.

RESENTATIVE, available immediately, desires ressive position in warm, dry climate. Well ated, good organiser, full of initiative and conce, and willing to stay abroad any length of Box 2/851.

RESENTATIVE, calling chemists, hairdressers, Co-Durham, N. and E. Yorks, live connection, ts change; well-known lines. Salary, commission expense basis. Would consider commission, ex-es only. Full detai's Box 2/945.

es only. Full deta's Box 2/945.

CKTAKING, quiet and efficient workmanship,
30 years' practical experience. Personal supern. C. W. Playfoot, 8 Avlward Rd., Merton
s, S.W.20. Tel. Liberty 4104.

APPOINTMENTS

LONDON COUNTY COUNCIL

OCUM TENENS DISPENSERS (holding pothecaries' Hall Certificate and preferably ith previous hospital experience) required imediately for duty in L.C.C, hospitals. Connuous employment for at least three months ate of pay 7 gns. a week inclusive. Hours of uty 39 a week. All positions are non-resident. mplication forms obtainable from the Medical polication forms obtainable from the Medical fficer of Health (S.D.3), The County Hall, 'estminster Bridge, S.E.1. (278)A.

CITY OF BRADFORD

ST. LUKE'S HOSPITAL

Applications are invited for the post of Female

Applications are invited student Pharmacist.
Candidates for this post should hold one of the following certificates:—B.Pharmacy; Inter. B.Pharmacy; Inter. Pharmacy examination,

The salary, if the Student Pharmacist has obtained the degree of B.Pharm. before taking her two years' practical training in hospital, will be in accordance with the recommendations of the Joint Negotiating Committee (Hospital Staffs). Otherwise the salary will be in accordance with the General Division of the National Staffs (Conditions of Service 1984). Scheme of Conditions of Service, i.e., £108/

308 per annum, according to age.

This appointment is subject to the Local Government Superannuation Act, 1937, and the

person appointed will be required to pass a medical examination. Applications giving full particulars, should be forwarded to the Medical Superintendent, St.

Luke's Hospital, as soon as possible.

W. H. LEATHEM, Town Clerk.

Town Hall, Bradford. February, 1948.

CROWN AGENTS FOR THE COLONIES

Applications from qualified candidates are in-

vited for the following post:—
ASSISTANT PHARMACIST required by
Government of Tanganyika Territory for Medical Department for initial tour of 24 to 36 months. Commencing salarry according to age and war service in the scale £372 rising to £600 a year. Cost-of-living bonus between £75 and £120 a year. Provident Fund. Outfit allowance up to £60. Free passages and quarters. Candidates between 25 and 35 years of age must be members of the Pharmaceutical Society of Creat Britain Amply at once by letter stating. Great Britain. Apply at once by letter, stating age, whether marred or single and full particulars of qualifications and experience and mentioning this paper to the Crown Agents for the Colonies, 4 Millbank, Lordon, S.W.1, quoting M/N/21307 (3F) on both letter and envelope.

ESSEX COUNTY COUNCIL

Applications are invited for the appointment of (a) a non-resident DEPUTY CHIEF PHARMACIST (male) and (b) a non-resident ASSISTANT PHARMACIST (male) at the Oldchurch County Hospital, Romford. This modern hospital, of 828 beds, with specialist departments, is well served by rail and road trapproper tergings. transport services.

The inclusive salaries will be in accordance The inclusive salaries will be in accordance with the recommendations of the Joint Negotiating Committee (hospital staffs)—(a) £425/£20/£525 a year plus one additional increment of £15, if specially recommended, to £540 a year, (b) £370 by £15 a year plus a final increment of £20, to a maximum of £450 a year.

The appointments will be subject to the Council's Standing Orders, extracts from which will be forwarded on application and the selected candidates will be required to pass a medical examination and contribute to the Council's superannuation fund.

Applications, stating age, experience, qualifications and details of previous appointments, with the names and addresses of three persons to whom reference may be made, should be addressed to the undersigned as soon as possible.

Canvassing, directly or indirectly, will be a disqualification. ounty Hall. JOHN E. LIGHTBURN, Chelmsford, Clerk of the County Council. Essex. February 4, 1948. County Hall.

KENT COUNTY COUNCIL

ASSISTANT PHARMACIST Applications are invited for the following appointment at the COUNTY HOSPITAL, FARNBOROUGH, Nr. BROMLEY.
ASSISTANT PHARMACIST (M.P.S. or Ph.C.) either say Hospital experience pro-

Ph.C.) either sex. Hospital experience preferred. Salary £370 a year by four increments of £15 and one of £20 to £450 a year. Superannuation. Medical examination necessary.

Applications, stating age, qualifications, ex-perience and the names and addresses of two perience and the names and addresses of two respons ble persons to whom reference may be made as to professional ability, to be sent to the County Medical Officer, County Hall, Maidstone, as soon as possible.

W. L. PLATTS,

Clerk of the County Council.

Maidstone.

11th February, 1948.

METROPOLITAN HOSPITAL, KINGSLAND ROAD, E.8

ASSISTANT PHARMACIST (2) required. Salaries in accordance with J.N.C. Scale, plus lunch and tea. Federated Superannuation Scheme in force. Hours 9 till 5. No Sunday duty. Hospital experience preferred but not lunch and tea. essential.

Applications giving age, experience, and references to the House Governor.

MIDDLESEX COUNTY COUNCIL
REGISTERED ASSISTANT PHARMACIST
for NORTH MIDDLESEX COUNTY HOSPITAL, Edmonton, N.18. J.N.C. (Hospital
Staffs) Scale. £370 to £450 inc. Similar experience may determine commencing salary.
Whole time, established, pensionable, subject
to medical examination. Applications, stating age, qualifications, experience, with copies of up to three recent testimonials, to MEDICAL DIRECTOR of Hospital immediately (quoting D.591). No forms.

C. W. RADCLIFFE, Clerk of the County Council.

MIDDLESEX COUNTY COUNCIL

ASSISTANT PHARMACIST required at WEST MIDDLESEX COUNTY HOSPITAL, Isleworth, Middlesex. J.N.C. (Hosp. Staffs) scale £370 p.a. to £450 inclusive. Similar experience may determine commencing salary. Must hold one of Pharmaceutical Society's qualifications. Whole-time duties under Medical Director and Chief Pharmacist. Established, subject to medical examination. Applications, stating age, qualifications, experience, enclosing stating age, qualifications, experience, enclosing copies of up to three recent testimonials, to MEDICAL DIRECTOR of Hospital (quoting D.570 CD).

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Applications are invited from registered Pharmacists for this appointment. Salary scale, macists for this appointment. Salary scale, £370 per annum with annual increases of £15 up to £450 per annum. Commencing salary within Scale according to qualifications and experience. Federated Superannuation Scheme in lorce. Applications, giving full particulars of age, qualifications and experience and copies of recent testimonials, should be sent as soon as possible to the undersigned.

M. I. HINNILEY.

M. J. HUNTLEY. House Governor and Secretary.

NOTTINGHAM GENERAL HOSPITA ASSISTANT PHARMACIST quired. Commencing salary £370 per annual as J.N.C. scale. Federated superannual scheme in force. Applications with copies three testimonials to be sent to the Hou (woman)

Governor and Secretary.

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By Order of the Minister of Supply.

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For Sale by Auction, Without Reserve on Marc 8th, 9th, 10th, 11th and 12th at 11 a.m. each da MISCELLANEOUS GOVERNMENT STORE AND EQUIPMENT including about 1,200 gross sticks of shavin soap, safety razors and blades, etc., at the Ministry of Supply Depot, Wivenhoe (ad oir ing Station), Essex, and as lying at Debac Aerodrome, nr. Woodbridge, Suffolk.

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WELL-ESTABLISHED representative covering Lancs, Cheshire, Derbyshire and N. Wales, seeks additional lines, 1,000 accounts, chemists, stores, hairdressers, pharmaceutical, sundry or toilet. Bankers reference given. Box 2/941.

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MORNY LIMITED

ANNOUNCE that their former sales manager, Mr. W. T. Pallister is no longer in their employ. All enquiries connected with the sales department should be addressed to the company, 22 Wadsworth Road, Perivale, Greenford, Middx.

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ESTABLISHED London company with good hal sales organisation and owners of well-known ietary line sold by all the leading chemists, , etc., in the country and with extensive pre-would like to purchase another sound line to n conjunction with their own or would con-financing on a partnership basis. Particulars nfidence to Box 2/891.

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PFPACKING. Firm with machinery available preto pre-pack on customers' own behalf, any of dry powders, crystals or flakes, in tins, caror bags. Assistance can be given with certain ng materials. Box 2/888.

PI delivery from stocks of all types of bottles an jars to suit the chemist and cosmet'c trades, enquiries invited which will receive our prompt tion. Temple Glass Co., Ltd., 16 Temple Glabers, London, E.C.4. Tel. Central 6132.

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pr 36 words or less, 3d. for every additional word G D PRICE PAID for drug store suitable for hist or country business with P.O. within 100 m Manchester. Ample capital for buines and prises. 2% paid to traveller for successful introction. 113 Oldham Rd., Shaw, Lancs.

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RETAIL COSMETICS, fancy and druggists' sundries. Small d.f. shop near Leicester Sq. Trade exceeds £150 per week. Rent £126 p.a. inclusive. Price, which includes over £1,200 stock, £3,000 A.A. Alam Smith, F.A.L.P.A., F.V.A., 234 Strand, W.C.2. Temple Bar 6413.

MISCELLANEOUS SALES

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BENZYL ALCOHOL, perfumery quality. 1 ton surplus stock. Offers to Box 2/926.

BOTTLES. 4-oz. sprinkler neck with bak. caps, 40/-; 2-oz. brilliantine flat, 36/- with bak. caps; 1-oz. jars with glass lids 18/-; all prices per gross. Send 1/1 for samples, Khan, 31 Norton Folgate, Lordon, F. 1. London, E.1.

London, E.I.

CRIMAWAX. 50 lb. available at 8/- per lb. Makes
brilliantine hair cream instantly. Usual price 15/-.

S. Khan, 31 Norton Folgate, London, E.I.
EGYPTIAN HENNA for disposal, prepared to pack
in small packets or in bulk. Lennard Lee Narvill &

Co., Ltd., Anlaby Rd., Hull. FOR SALE. 2 cwt. theobron

2 cwt. theobromine alkaloid. Offers Box 2/924.

to Box 2/924.

FOR SALE. 2 tons soda bicarbonate, 1 cwt. calcium gluconate, also phenol phalein. Box 2/860.

FILLING MACHINE, at present adapted for powder filling but can easily be converted for cream filling. Machine has only been used for test runs and is as new. Complete with motor and starter. Ozonol Laboratories (1930), Ltd., 7-9 New Wharf Rd., King's Cross, N.1.

King's Cross, N.1.

HEAVY MAGNESIUM carbonate; 24 cwt. for disposal; also ½-ton curry powder, and small quantities of ammonium chloride, chloral hydrate, ferric oxide.

of ammonium chloride, chloral hydrate, ferric oxide, gypsum, cavenie pepper, heavy magnesium ox'de, etc. Box 2/919.

IMPORTANT ANNOUNCEMENT. Owing to the devaluation of the French franc we can now offer 10 cc., 30 cc, and 60 cc. opal glass jars with metal or black plastic screw caps and 1-oz, and 2-oz, round toilet bottles with black plastic screw caps at considerably reduced prices. Quotations and samples gladly submitted on indication of quantities required. Percenta, Ltd., 130/2 Tooley St., London S.F.1. required. don, S.E.1.

LIPSTICK container tools. Set of metal and plastic tools for sale for 11 mm. propeller cases. Apply by letter only, C. J. Ousley, 3 Mackenzie Rd.,

by letter only, S. Beckenham, Kent.

LIQUORICE EXTRACT, 10 cwt. at 3/- per lb. 35 cwt. of natural liquorice root, 80/- per cwt. Moore's cwt. of natural liquorice root, 80/- per cwt. Moore's cwt. Sheffield, 2. (Sheffield), Ltd., 8-10 Granville St., Sheffield, 2. NEW GAS-FIRED steam boiler up to 225 lbs, working pressure, 200-250 lbs, evaporation, £90. Steam jacketed copper tilting pan, approximately 15 gal's, capacity, £10. 871 High Rd., N.12. Hillside 4474 4474.

PEPPERMINT OIL. Approx. 140 lb. U.S.A., 100 lb. Italian, or would split quantities at 100/- lb., subject unsold. Have good analytical reports. Box 2/913.

OWING TO THE LACK of space we are clearing our chemist sundries department of all lines. Special offers of proprietary lines, soothers, combs, etc.
Please write, phone, or call, Messrs. Turnmill Ware-house, Ltd., 67 Mile End Rd., E.1. Telephone No. Stepney Green 2454-5.

SURPLUS QUOTA of Carr's C.V.B. available. Box

2/950.

SURPLUS. 60 gr. 2-oz. toilet bottles with bakelite caps, 26/- per gross; 40 gr. 1-oz. square white flint jars with caps, 24/- per gross and 10 gr. 2-oz. squat white flint jars with caps, 28/- per gross. All new. Near offer accepted. Oda & Co. (London), Ltd., 7 Dawson Rd., N.W.2.

SURPLUS. Bay oil, W.I. Several cwt. for disposal. Box 2/927.

SURPLUS STOCK. The following to clear at reduced SURPLUS STOCK. The following to clear at reduced prices. 7 cwt. tartaric acid B.P.. 600,000 ½ lb. x 1 lb. liner bags, 500,000 skillet cartons, unprinted, 5½ x 4 x 1¼. 2½ tons DDT 5%. 500 gross 24 m.m. bottle caps. 300 gross 4-oz. lever lid waxed hea'th salt drums. Box 2/889.

TINS, 2-oz. capacity, lever lids, seamless, 30s. per gross in 7 gross cartons. Parekem Products, 172 Upper Brook St., Manchester, 13.

WHITE GRANULATED DDT powder in 28 lb. sealed tins, 5 cwt. at 3/- per lb. Representative sample sent on request. A. Lupton, 35 Broadway, Halton, Leeds.

Leeds.

and export. Potassium chlorate for export only. Box 2/853.

2/853.
40 8-oz. Spiritus ammon, aromat, B.P. 172 1-lb, spiritus ammon, aromat, B.P. 511 8-oz. Baker's anasthetic chloroform B.P. The above are in original sealed stoppered bottles, 209 1-lb, acid tannic B.P. 150 1-lb, acid tannic Levis. 34 1-lb, sulphanilamide. 115 4-oz. sulphanilamide. The above are in original sealed bottles. Enquiries or offers for the whole or part of the above, to Barnes & Jarratt, Chemists' Valuers, 4 Charlwood St., Victoria S.W.1. Phone Victoria 5686.

50 GROSS 1-oz opal jars, 35/- per gross to clear.

Box 2/910.

500 ONLY 1-oz. smart-looking opal jars with bake-lite cap, 35/- per gross to clear. H. S. Bottle Co., Ltd., 15a Whitcomb St., Pall Mall East, Lendon, Ltd., 1 W.C.2.

600 NEW 3 pint tins with castellated brass screw stoppers. Price 1/8 each. 35 Broadway, Halton,

1 MILLION pure aspirin tablets, B.P. 5 cwt. of 116/20 M.P. stearic acid. 5 cases of Snow White spermaceti wax. 5 cwt. of G.M.S. (pure). Offers to Box 2/954.

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FOR SALE. 5 tons glauber salts in 2 cwt. bags, partly crystallised due to contact with rain water. Apply Thomas Ambler, 97 Grange Road West, Middlesbrough.

9d. lb. STEARIC ACID, 1/3 lb. 28 lb. Turmeric, 9d. lb. 28 lb. ground ginger, 1/6 lb. 28 lb. mustard, 1/6 lb. 20 gross pint corks, 2/6 gr. 20 gross wine bottle corks, 3/- gross. 6 doz. 3" x 5-6 vds. tropic pack elast. adhes. bandage, 1/3 each. Box 2/600

150 GROSS of 10-oz, plain soldered tins for sale. Enquiries to Box 2/959.

EXPORT TRADE

SACCHARIN TABLETS available for export only. Write Box 2/911.

WANTED

8/6 for 36 words or less, 3d. for every additional AUTOMATIC cream filler wanted at once; big

paid. Shavex Co., Bavaria Rd., Holloway, N. BOTTLES. 26-oz. and 13-oz. wine or champ bottles required. Box 1/853.

GLYCERINE - commercial, pale-straw and ch Box 2/816. Dure

GLYCERINE wanted, any quantities taken of quality. Cash by return. State quantity availand price required to Box 157/296.

and price required to box 137/230.

CLYCERINE, pale straw or water white require any quantities. Reply to Box 2/938.

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OFFERS required for Ol Menthe Pip. Reply to REQUIRED. Small envelopes, suitable for pac saccharin tablets (100s). 5 to 20,000. Good c ity preferred. Plain or printed. Sample and r to Nicoll, The Bridgnorth Pharmacy, Shropsh

SACCHARIN TABLETS wanted (standard gra Large or small quantities, bulk or packed. Sur amounts can be purchased regularly for cash. W

amounts can be purchased regularly for cash. W Box 515, c/o J. G. King & Son, 150 Fleet London, E.C.4.

STEARIC ACID required. Any quantities from cwt upwards. Reply to Box 2/936.

STEARIC ACID, triple pressed, required in laquantities. Box 147/850.

STEARIC ACID (triple pressed) wanted in large small quantities, B.P. Glycerine available if quired as part payment. Box 2/912.

TINS for solid brilliantine. Large quantities export; also white and yellow petroleum jelly I in 3-31 cwt. drums. Box 2/666.

WANTED. Surplus stocks, any kind misprint benvelopes, misprint bags, transparent film, rodrums, skillets, soiled papers, damaged trade stocondition immaterial, safes with, without keys, a condition immaterial, safes with, without keys, a thing appears useless. Particulars, first letter, V lians, 25 Tramroadside, Merthyr.

liams, 25 Tramroadside, Metrus, WANTED. Prenacetin, gycerine, required manufacturing chemists. Offers to Box 2/507. tablets, "Lacarnol" and tablets, "Lacarnol" and tablets. manufacturing chemists. Offers to Box 2/807. WANTED. "Sajodin" tablets, "Lacarnol" a "Protheonal." Will any chemists holding surf

stocks kindly return to Bayer Products, Ltd., Afr House, Kingsway, W.C.2, when credit, less conditioning charge, will be given for packages saleable condition.

WANTED. Spools and backing papers, 120, 6 127 sizes; must be in perfect condition with baing papers wound round spools. Payment of per dozen by return. Enclose name and address parcel and give count. Gray's Camera Shop, Mido St., Taunton.

parcel and gave St., Taunton.

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PATENTS

THE PROPRIETORS of the Patent No. 542715 f "Improvements in or relating to too h brushes are desirous of entering into arrangments by wof licence and otherwise on reasonable terms of the purpose of exploiting the same and ensuring if ull development and practical working in this courtry. All communications should be addressed the first instance to Haseltine Lake & Co., 28 Sout ampton Bldgs., Chancery Lane, London, W.C.2.

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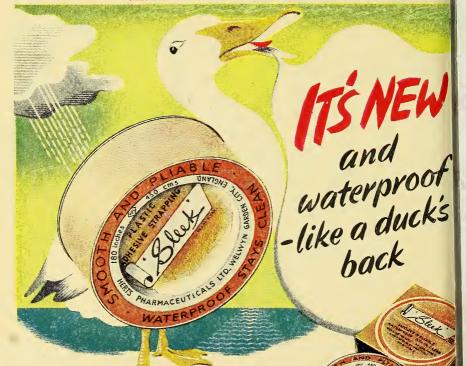
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FEBRUARY 21, 1948





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